SAFE WORK
SPOT THE HAZARD
ASSESS THE RISK
FIND A SAFER WAY
EVERYDAY

Manitoba Workplace Injury and Illness Statistics Report

2000-2007

WCB
Workers Compensation Board of Manitoba

Manitoba

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Acknowledgements

The Manitoba Workplace Injury Statistics Report for 2000-2007 is the fifth annual report of this type. Its continued development is the result of cooperative efforts between the Workplace Safety and Health Division of Manitoba Labour and Immigration and the Workers Compensation Board of Manitoba (WCB) and is an integral component of Manitoba's joint injury prevention strategy *(SAFE Work)*.

This report is developed from the WCB's injury data for the years 2000-2007. The report is based on injuries which the WCB was notified about and that were accepted by the WCB, or fatalities that were adjudicated in a particular year. This is a new approach to the data, and consequently comparisons between this report and previous editions are not advised.

Members of the committee involved in the on-going initiative to develop improved workplace injury and illness surveillance and reporting systems for the province include Dr. Ted Redekop and Jo-Anna Guerra from the Workplace Safety and Health Division of Manitoba Labour and Immigration, and Barry Warrack, Michael Rohatynsky, Janet Sprout, Murray Lempen, Jim Brown, Krista Breckman and Kwame Darko-Mensah from the Workers Compensation Board of Manitoba.

EXECUTIVE SUMMARY

Major highlights of Manitoba workplace injury data, 2000 to 2007:

Injuries and Injury Rate trends:

- The provincial time loss injury rate fell from a high of 5.6 time loss injuries per 100 workers in 2000 to 4.2 in 2007. This is a drop of 25% over the period.
- Young men aged 20 to 24 continue to be at a higher risk of workplace injury than other workers. However, the time loss injury rate for young men has declined significantly from 9.7 in 2000 to 5.9 in 2007, a 39% drop.
- Contrary to the prevailing trend, the time loss rate for workers over the age of 45 has not fallen. In the past, older workers have traditionally had much lower rates of injury. In recent years, the gap between injury rates for older workers and all workers has narrowed.
- The manufacturing sector has experienced a significant reduction in injuries since 2000, falling 40% from 2000 to 2007. Improvements in this sector have been the major influence in overall trends observed over the last eight years.

Fatalities

- There are two kinds of occupational fatalities: *acute hazard* (e.g., fatalities from exposure to hazards such as falls from height that cause serious traumatic injuries) where death occurs immediately or soon after a worker is injured or exposed, or *occupational disease* (e.g., exposures to asbestos and toxic fumes causing cancer in workers) where death occurs months or years after the exposure.

- The number of occupational fatalities varies significantly from year to year. In 2007, there were 30 acute hazard fatalities and 12 occupational disease fatalities.

Musculoskeletal Injuries

- Musculoskeletal injuries, or MSIs, are injuries to or disorders of the muscles, tendons, ligaments, joints, nerves, blood vessels or related soft tissue including sprains, strains and inflammation.

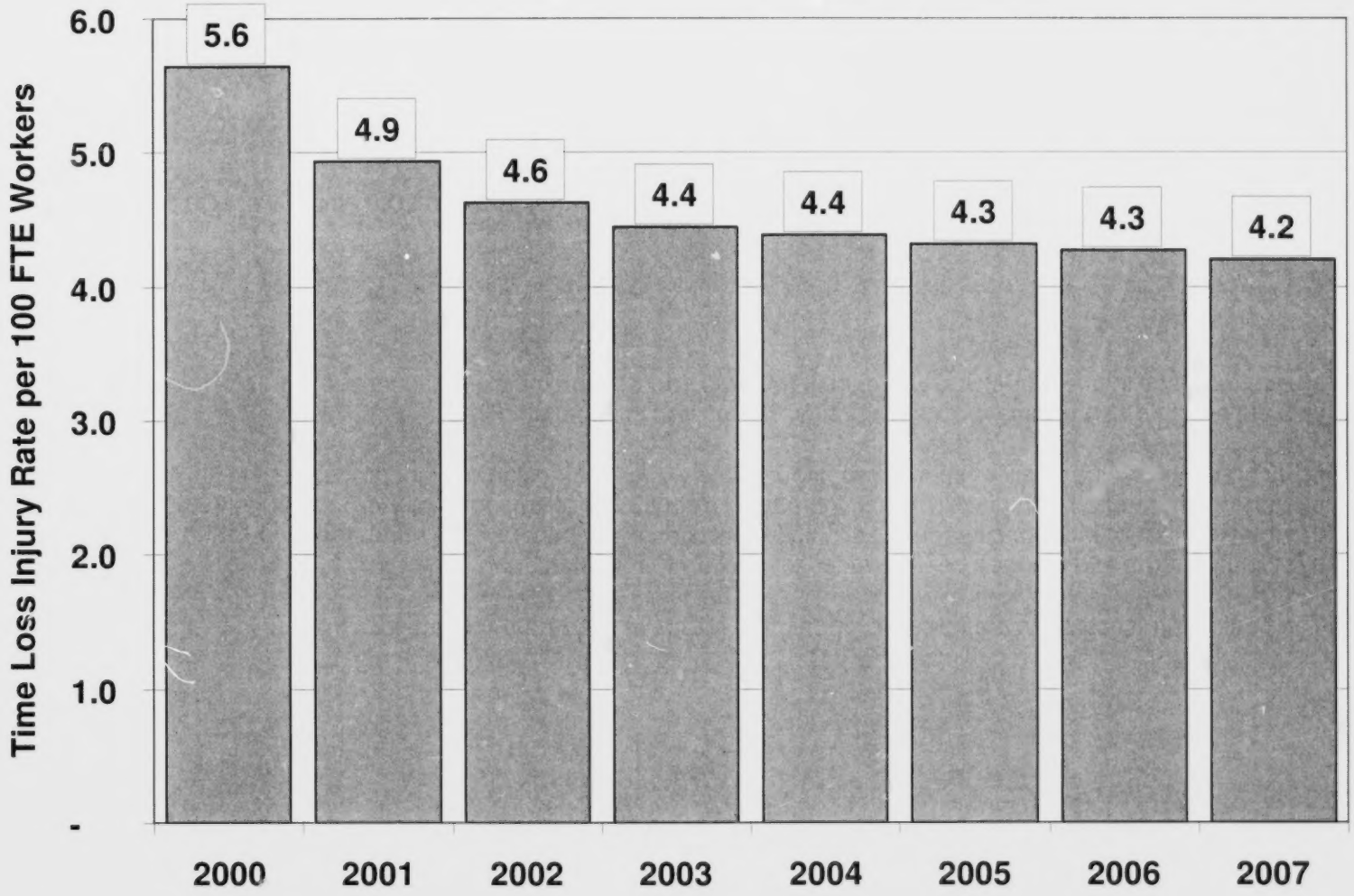
- MSIs often occur as a result of improper or inadequate workplace design or work processes. MSIs represent an increasing share of all workplace injuries, increasing from 53.3% of time loss injuries in 2000 to 62.2% in 2007, although the total number of MSIs has increased slightly. This is primarily because the number of non-MSI traumatic injuries to eyes, hand, arms and feet has been reduced, especially in manufacturing.

- The health care sector has the largest proportion of MSIs. In 2007, 80% of time loss injuries in that sector were MSIs.

1.0 INJURY RATES

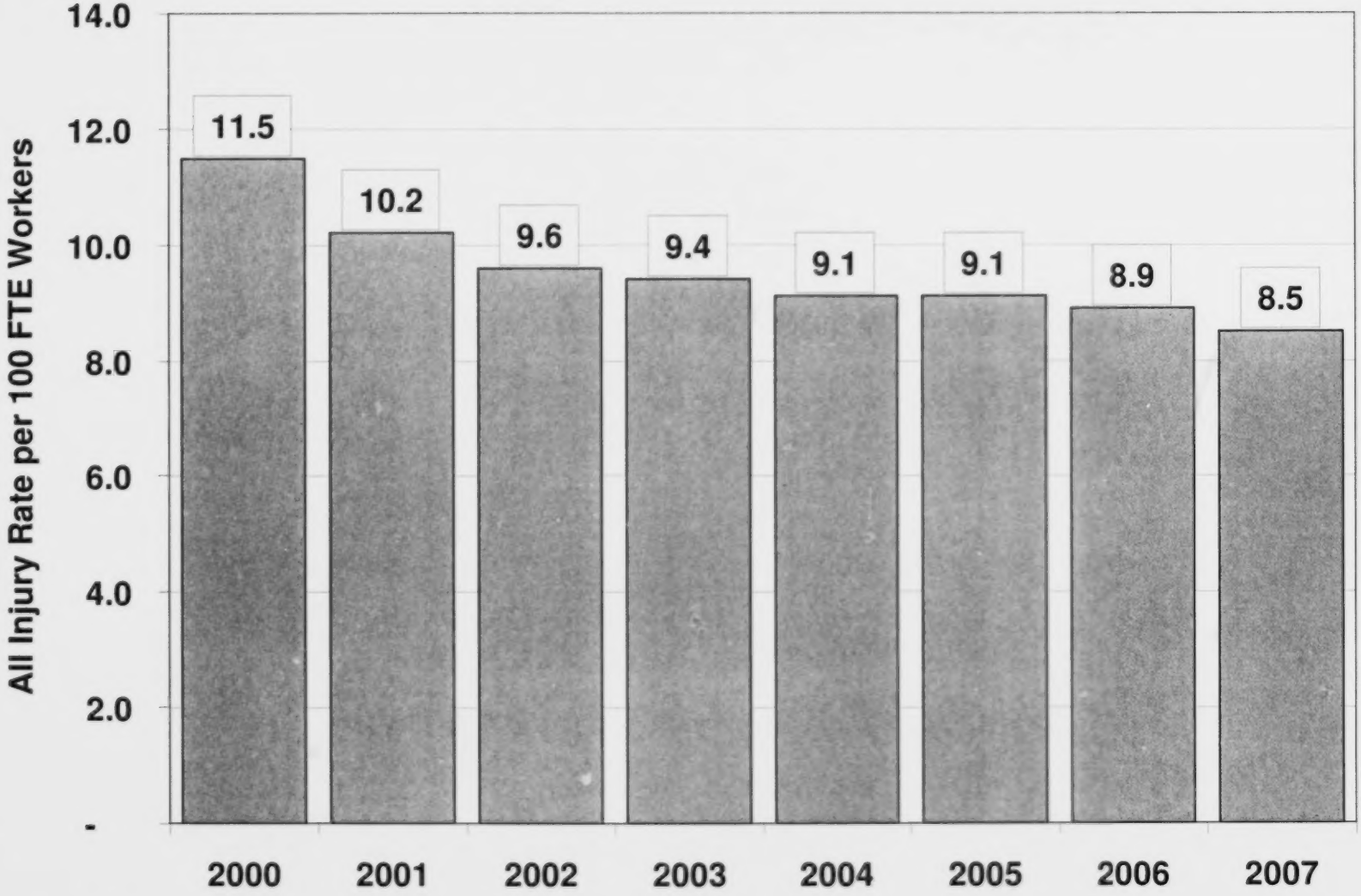
1.1 Time loss injury rate

Figure 1 - Manitoba Time Loss Injury Rate, 2000 to 2007



1.2 All Injury Rate

Figure 2 – Manitoba All Injury Rates for 2000 to 2007



1.3 Injury Rates by Age Group and Gender

Figure 3 - Time Loss Injury Rates by Age Group and Gender, 2007

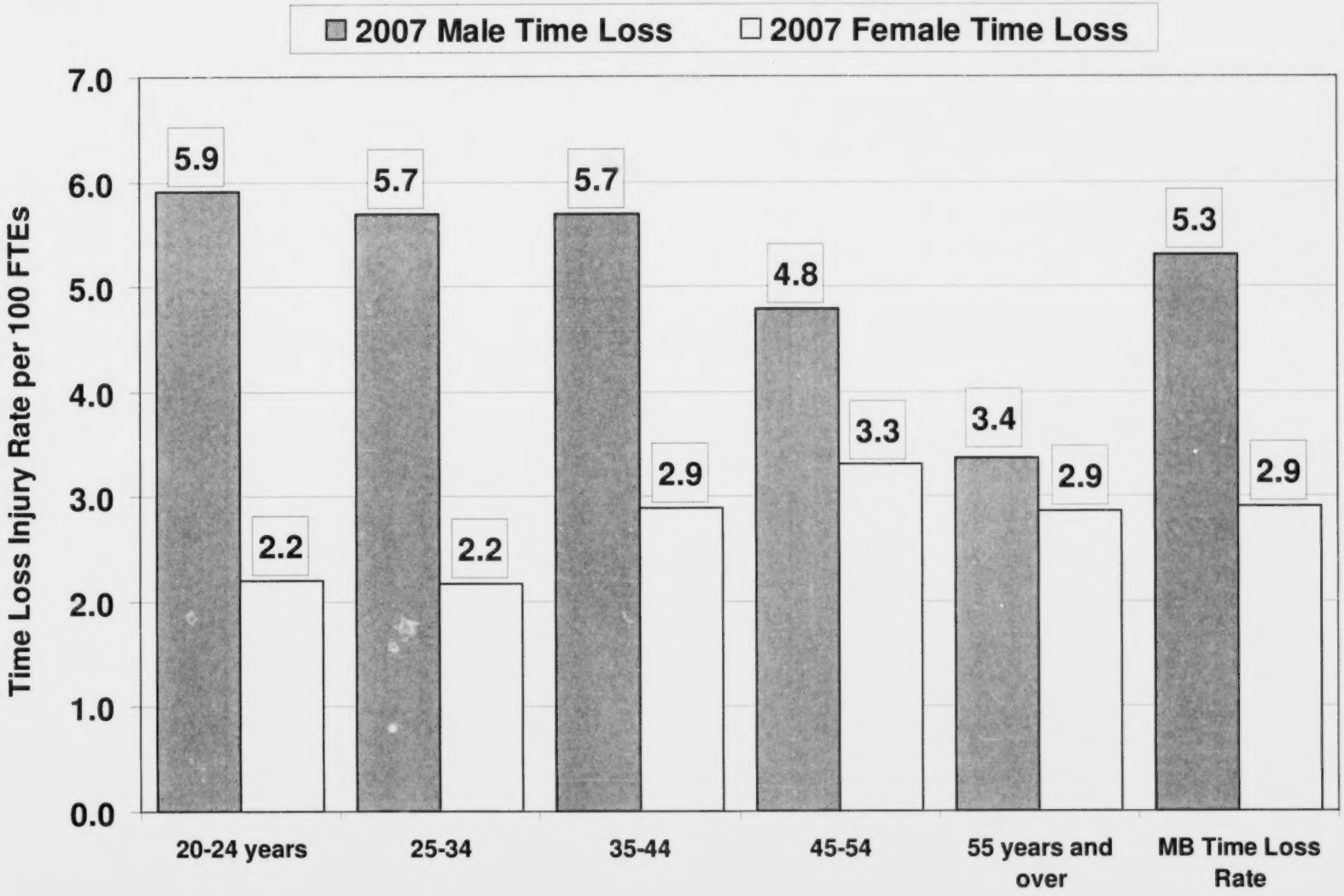
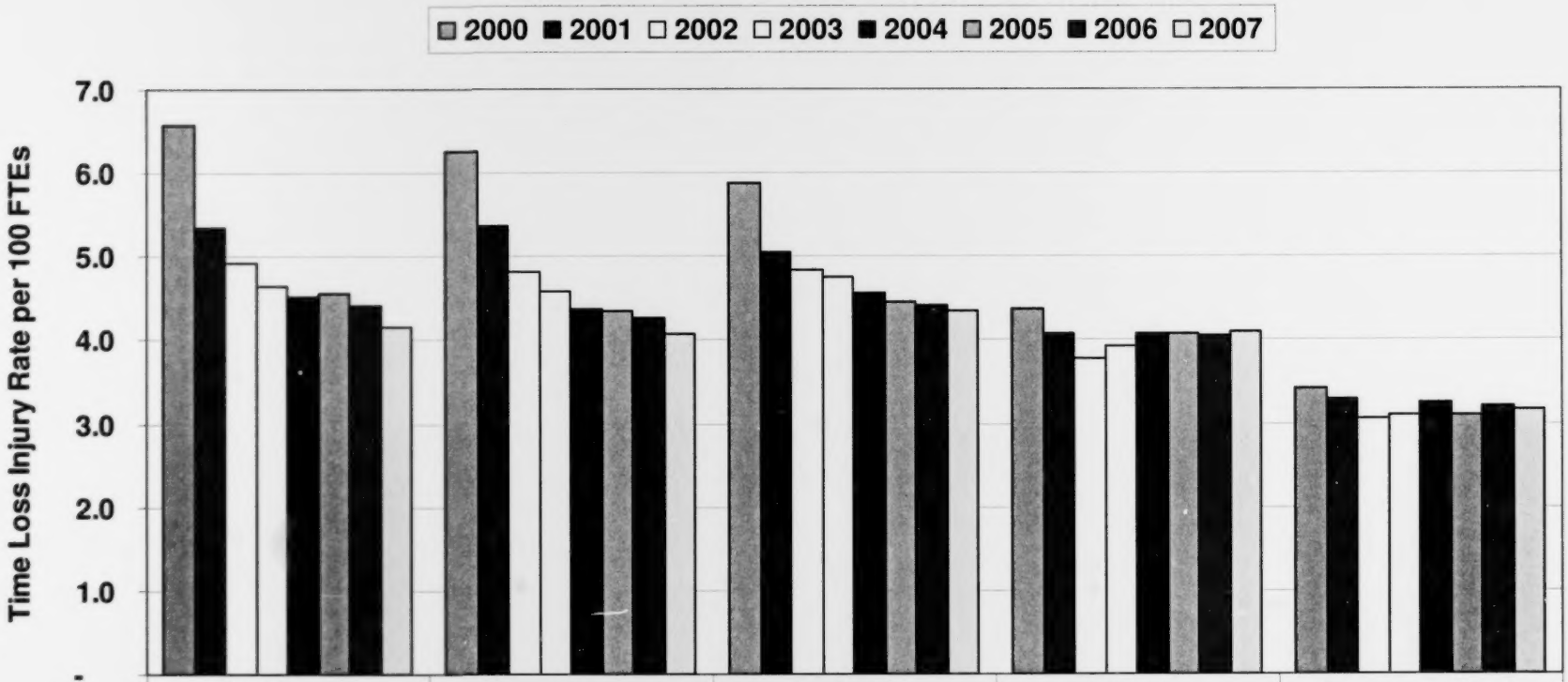
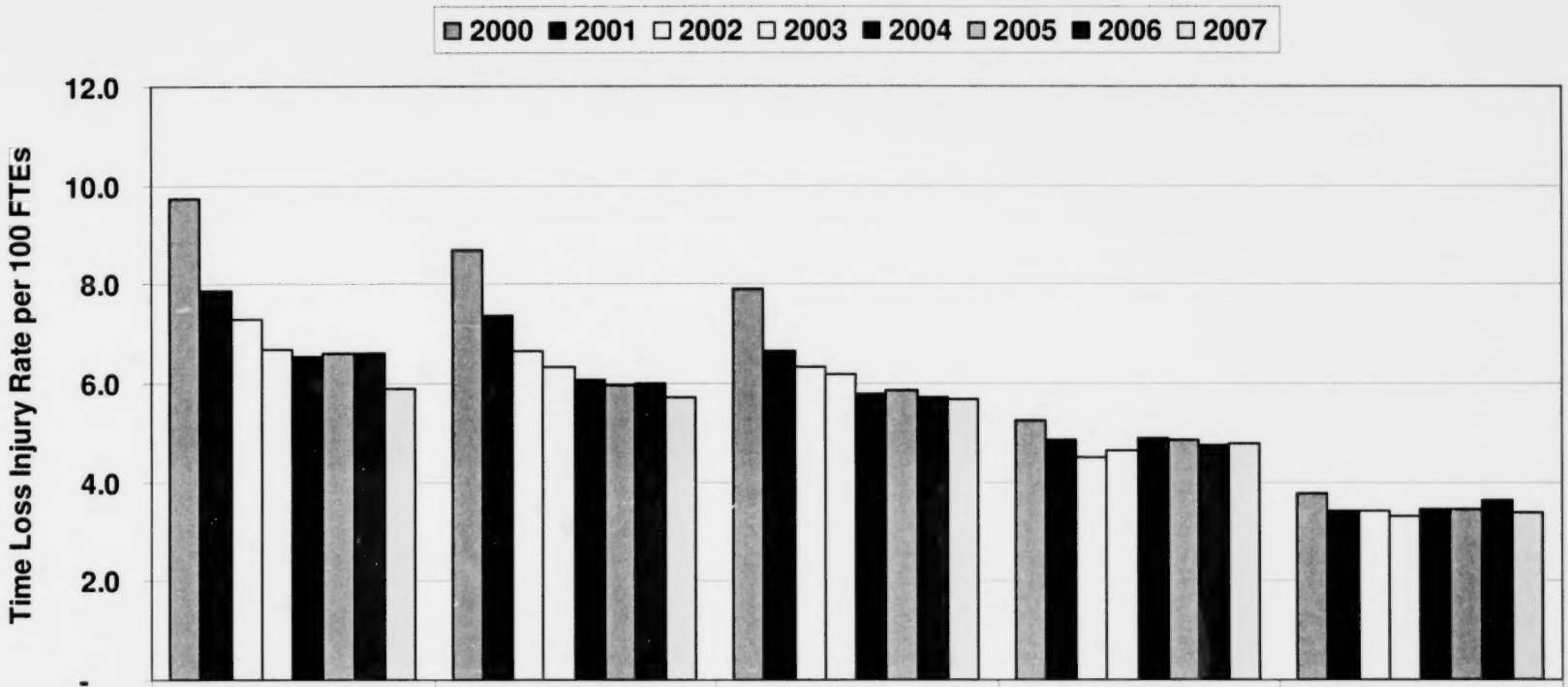


Figure 4 - Time Loss Injury Rates by Age Group 2000 to 2007



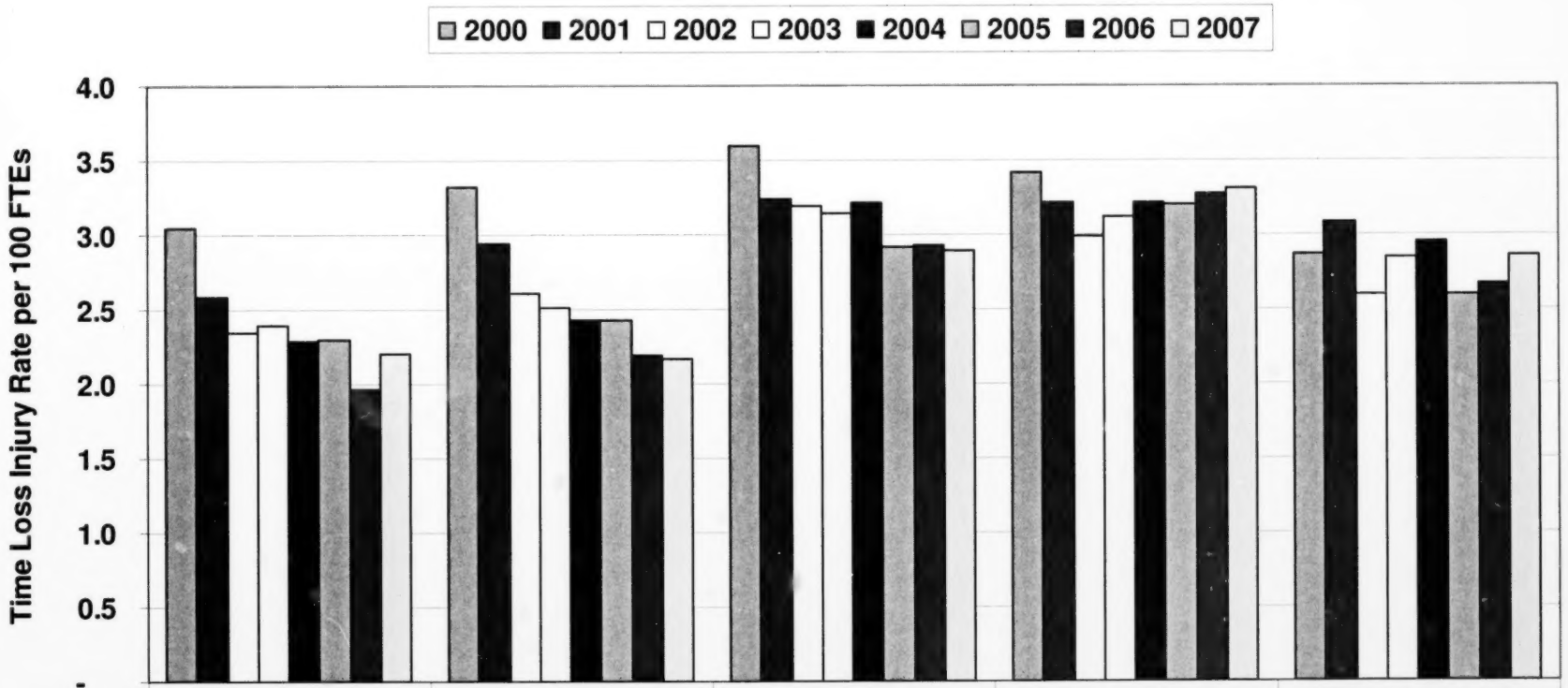
	20-24 years	25-34	35-44	45-54	55 years and over
2000	6.6	6.3	5.9	4.4	3.4
2001	5.4	5.4	5.0	4.1	3.3
2002	4.9	4.8	4.8	3.8	3.1
2003	4.6	4.6	4.8	3.9	3.1
2004	4.5	4.4	4.6	4.1	3.2
2005	4.6	4.4	4.5	4.1	3.1
2006	4.4	4.3	4.4	4.1	3.2
2007	4.2	4.1	4.4	4.1	3.2

Figure 5 - Male Time Loss Injury Rates by Age Group, 2000 to 2007



	20-24 years	25-34	35-44	45-54	55 years and over
2000	9.7	8.7	7.9	5.2	3.8
2001	7.9	7.4	6.6	4.9	3.4
2002	7.3	6.7	6.3	4.5	3.4
2003	6.7	6.3	6.2	4.6	3.3
2004	6.5	6.1	5.8	4.9	3.5
2005	6.6	6.0	5.9	4.9	3.5
2006	6.6	6.0	5.7	4.8	3.6
2007	5.9	5.7	5.7	4.8	3.4

Figure 6 - Female Time Loss Injury Rates by Age Group 2000 to 2007



	20-24 years	25-34	35-44	45-54	55 years and over
2000	3.0	3.3	3.6	3.4	2.9
2001	2.6	2.9	3.2	3.2	3.1
2002	2.4	2.6	3.2	3.0	2.6
2003	2.4	2.5	3.1	3.1	2.9
2004	2.3	2.4	3.2	3.2	3.0
2005	2.3	2.4	2.9	3.2	2.6
2006	2.0	2.2	2.9	3.3	2.7
2007	2.2	2.2	2.9	3.3	2.9

1.4 Industry Sector and Sub-Sector Rates

Table 1 - Time Loss Injury Rate by Major Industry Sectors and Selected Sub-Sectors, 2000 to 2007

WCB Industry Sectors and Selected Sub-Sectors	2000	2001	2002	2003	2004	2005	2006	2007
Forestry	**5.0**	**8.3**	**8.0**	**7.3**	**6.3**	**4.8**	**4.6**	**8.3**
Mining, Quarrying & Oil Wells	**3.6**	**2.4**	**2.2**	**2.3**	**2.4**	**1.9**	**2.1**	**2.2**
• Mining	3.2	1.9	1.9	1.8	1.9	1.4	1.6	2.2
Manufacturing	**12.6**	**10.2**	**9.3**	**8.5**	**7.4**	**7.2**	**7.1**	**6.9**
• Meat Processing	18.0	13.1	12.1	10.8	8.6	7.3	7.2	6.1
• Metal Works	17.4	13.5	13.6	13.8	10.8	11.6	11.6	11.8
• Vehicle Manufacturing	29.1	25.0	16.0	13.9	10.3	8.6	7.5	7.5
• Agricultural Implement Manufacturing	19.3	14.5	14.2	12.4	10.9	9.7	11.9	10.7
• Wood Manufacturing	15.8	12.3	10.2	8.5	6.3	5.8	5.5	4.9
• Printing	4.4	3.7	4.4	3.7	3.8	3.8	3.3	2.8
• Clothing Manufacturing	3.7	3.2	3.4	3.5	3.5	2.8	2.5	2.7
• Aircraft Manufacturing and Repair	5.3	5.5	5.1	3.8	3.3	2.9	2.9	2.9
Construction	**10.1**	**8.5**	**8.9**	**8.7**	**8.7**	**9.4**	**9.1**	**8.8**
• Building Construction	11.0	9.0	9.1	8.5	8.5	9.2	9.3	9.2
• Heavy Construction	7.5	6.8	7.9	7.6	7.3	7.4	6.9	6.9
Transportation, Communication & Storage	**6.0**	**5.1**	**4.9**	**5.1**	**5.2**	**4.4**	**4.3**	**4.5**
• Trucking	9.6	8.7	8.6	8.1	7.6	7.0	6.4	6.5
Trade	**4.1**	**3.9**	**3.6**	**3.5**	**3.5**	**3.3**	**3.4**	**3.2**
• Supermarket and Department Stores	3.0	3.1	2.8	2.7	2.6	2.9	2.7	2.5
Service	**3.9**	**4.0**	**3.9**	**3.8**	**3.8**	**3.7**	**3.6**	**3.5**
• Accommodation and Restaurants	2.7	2.8	2.4	2.4	2.4	2.3	2.2	2.1
• Health care	5.0	5.0	5.1	4.8	4.8	4.6	4.7	4.6
Public Administration	**4.6**	**4.1**	**4.9**	**3.9**	**4.2**	**4.3**	**4.1**	**4.0**
Voluntary	**2.6**	**2.5**	**2.3**	**2.2**	**2.5**	**2.3**	**2.4**	**2.2**
• Agriculture	4.8	4.9	4.5	5.0	6.6	5.4	5.2	5.2
• Educational Institutions	2.8	2.4	2.4	2.5	2.7	2.6	2.9	2.6
Self Insurers	**3.6**	**3.0**	**2.9**	**3.0**	**3.2**	**3.3**	**3.2**	**3.3**
Overall	**5.6**	**4.9**	**4.6**	**4.4**	**4.4**	**4.3**	**4.3**	**4.2**

Figure 7 - Time Loss Injury Rate by Major Industry Sectors, 2000 and 2007

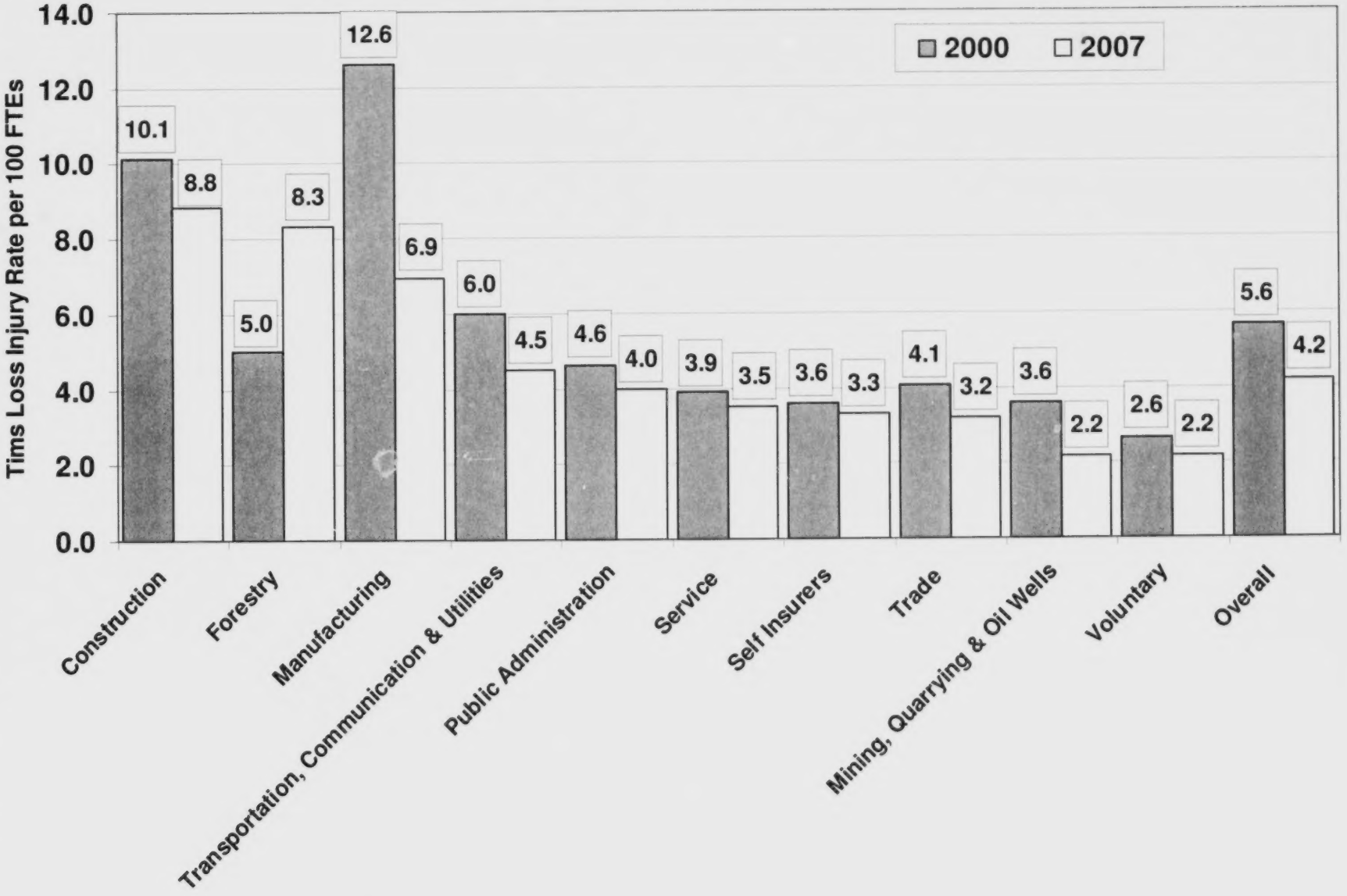


Table 2 - All Injury Rate by WCB Industry Sectors and Selected Sub-Sectors, 2000 to 2007

WCB Industry Sectors and Selected Sub-Sectors	2000	2001	2002	2003	2004	2005	2006	2007
Forestry	**10.5**	**18.3**	**22.3**	**12.3**	**11.3**	**12.5**	**10.3**	**12.6**
Mining, Quarrying & Oil Wells	**23.6**	**20.0**	**16.1**	**16.5**	**17.0**	**14.2**	**13.7**	**12.6**
• Mining	22.7	20.2	17.6	17.8	18.7	15.2	14.4	14.1
Manufacturing	**25.7**	**22.0**	**20.5**	**19.2**	**16.9**	**16.7**	**16.0**	**15.2**
• Meat Processing	52.7	43.5	42.2	38.3	28.7	31.0	25.1	20.2
• Metal Works	38.8	31.3	30.1	29.9	26.4	26.6	25.4	25.1
• Vehicle Manufacturing	47.2	40.7	29.8	26.6	20.0	17.3	15.9	16.7
• Agricultural Implement Manufacturing	40.1	31.0	29.7	29.1	27.0	24.5	25.9	23.9
• Wood Manufacturing	31.3	27.7	23.8	19.8	14.5	14.0	14.2	12.3
• Printing	8.6	6.8	7.9	8.0	7.3	7.1	6.4	5.5
• Clothing Manufacturing	5.8	5.5	5.6	5.5	5.2	5.6	4.6	4.6
• Aircraft Manufacturing and Repair	9.9	10.5	9.7	6.9	6.5	5.9	6.2	5.2
Construction	**20.4**	**17.0**	**17.3**	**17.2**	**16.9**	**17.9**	**17.7**	**17.7**
• Building Construction	22.1	18.1	17.5	17.0	16.5	17.4	17.8	18.4
• Heavy Construction	15.3	13.2	16.2	14.7	14.8	14.9	14.4	13.8
Transportation, Communication & Storage	**10.5**	**8.9**	**8.3**	**8.9**	**8.7**	**7.3**	**7.1**	**7.3**
• Trucking	15.4	13.9	13.0	12.8	11.9	10.6	9.8	10.1
Trade	**8.2**	**7.8**	**7.2**	**7.5**	**7.2**	**7.0**	**7.1**	**6.6**
• Supermarket and Department Stores	6.1	6.1	5.7	5.7	5.5	6.0	5.8	5.2
Service	**7.3**	**7.3**	**7.1**	**7.0**	**7.4**	**7.1**	**7.1**	**6.6**
• Accommodation and Restaurants	6.4	6.3	5.5	5.4	5.5	5.3	5.1	4.5
• Health care	8.6	8.6	8.7	8.6	8.9	8.4	8.7	8.3
Public Administration	**10.7**	**9.0**	**10.4**	**9.6**	**8.7**	**9.6**	**10.2**	**9.6**
Voluntary	**5.2**	**4.8**	**4.6**	**4.8**	**5.1**	**4.7**	**5.0**	**4.6**
• Agriculture[1]	9.4	8.9	8.3	10.0	12.7	10.1	10.8	9.6
• Educational Institutions	5.3	4.6	4.9	5.2	5.3	5.2	5.3	5.6
Self Insurers	**8.0**	**6.9**	**6.8**	**6.7**	**6.9**	**6.9**	**6.7**	**6.7**
Overall[2]	**11.5**	**10.2**	**9.6**	**9.4**	**9.1**	**9.1**	**8.9**	**8.5**

Source: WCB Claim and Employer Databases

[1] Note: The WCB covers only a small proportion of the agriculture and education sectors so that most work-related injuries are not reported to the WCB.
[2] Totals may not add as a few injuries or illnesses do not have their sector coded.

Figure 8 - All Injury Rate by Major Industry Sectors, 2000 and 2007

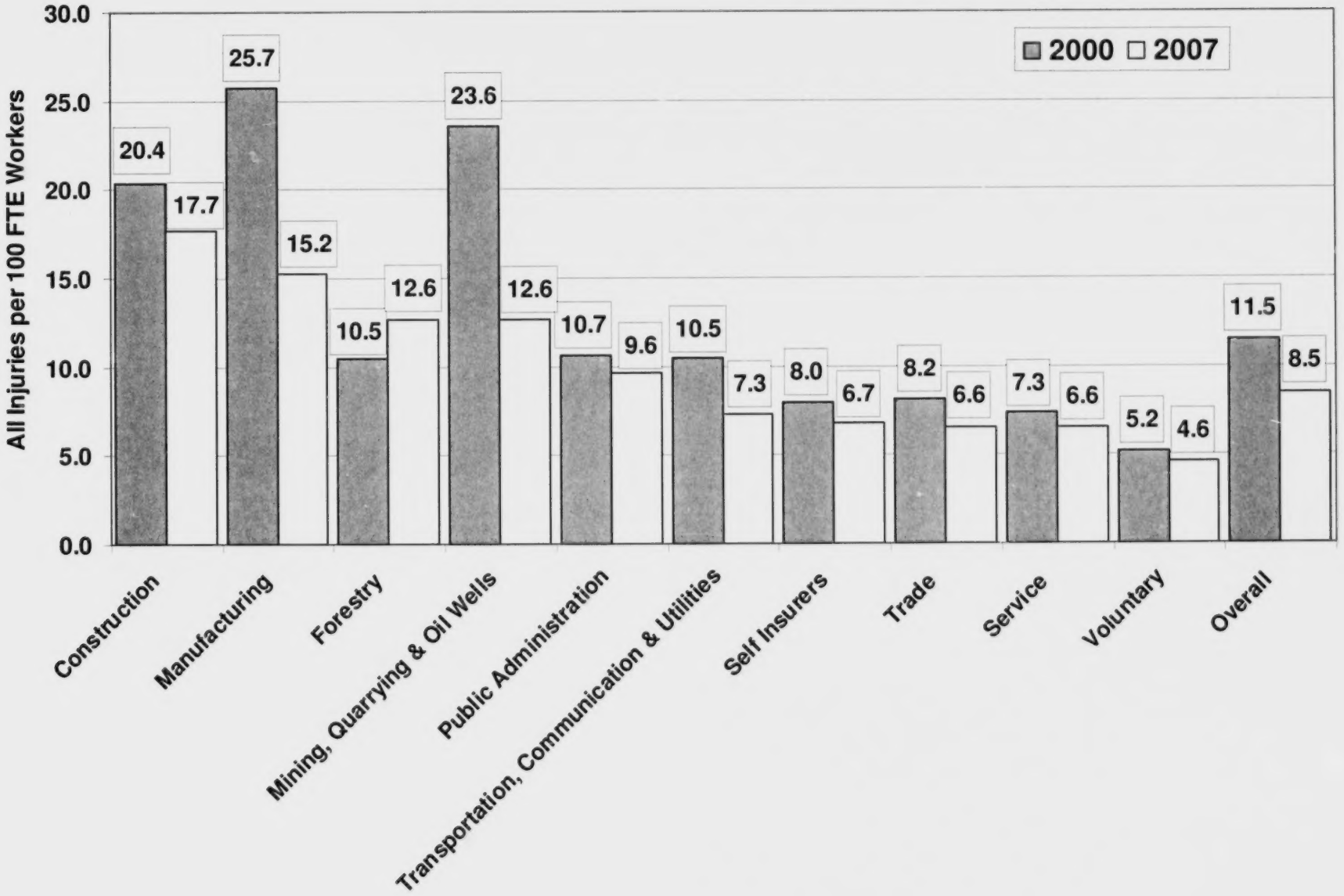


Figure 9 – All Injury Rate and Time Loss Injury Rate, Selected Manufacturing Sub-Sectors, 2007

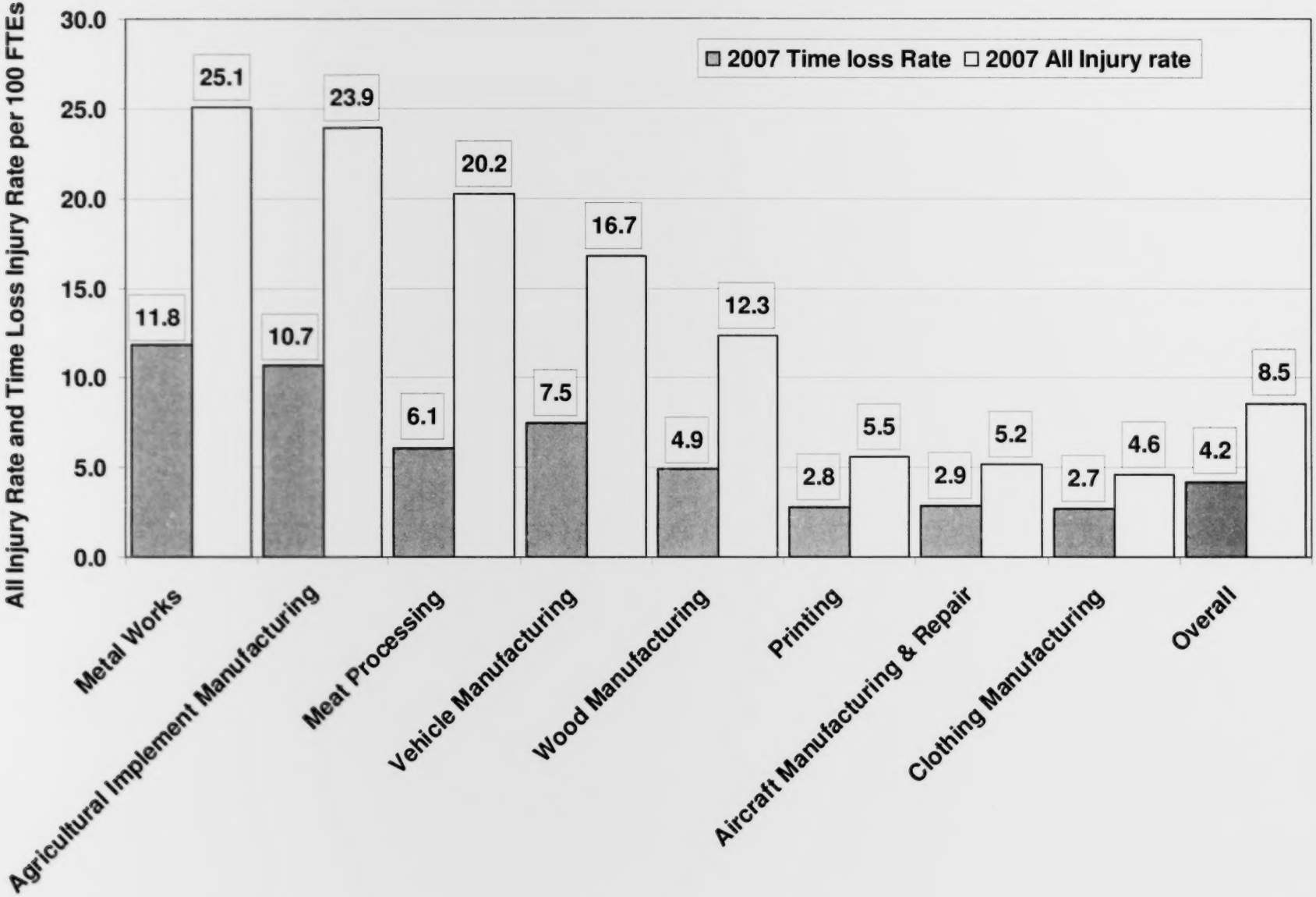
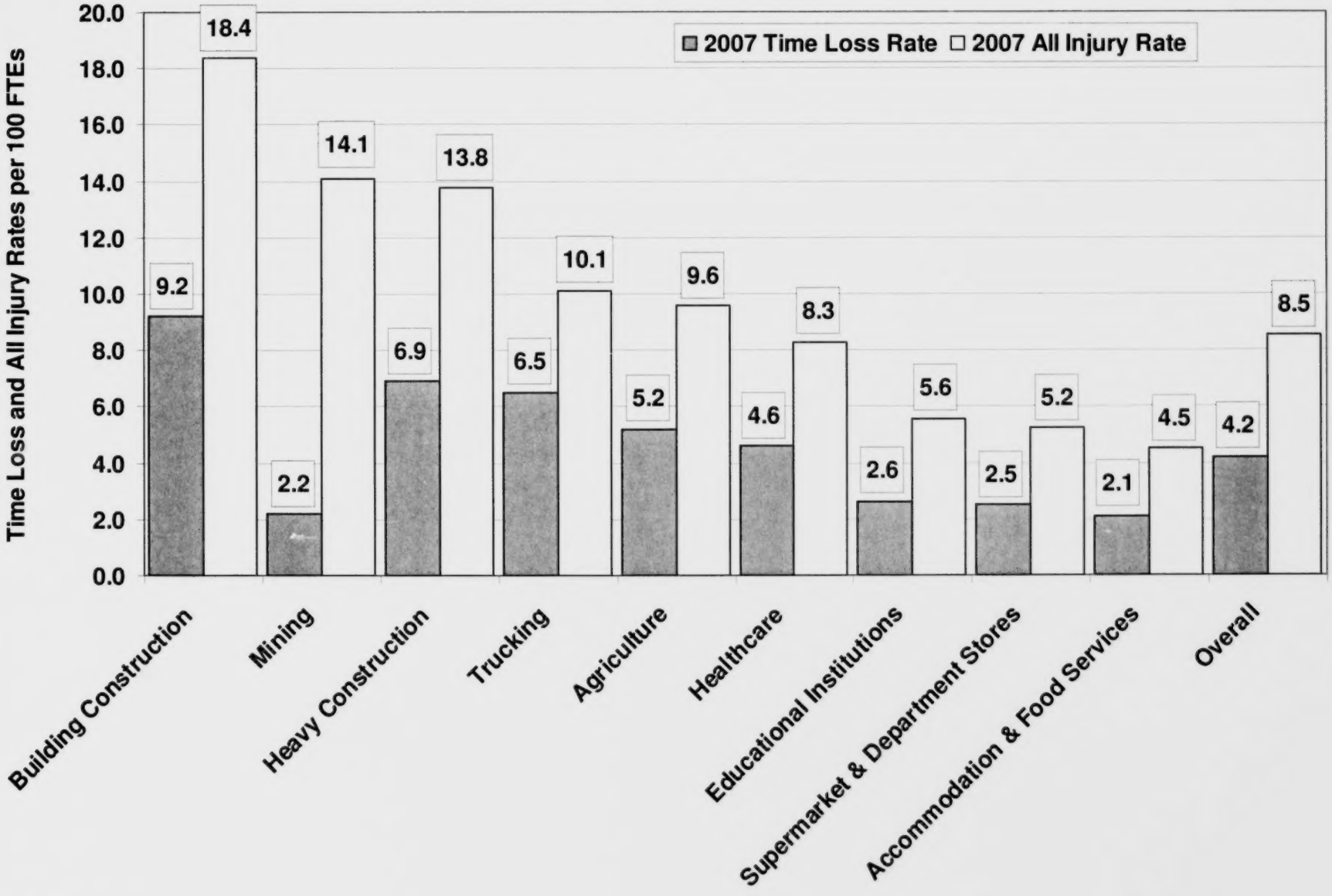


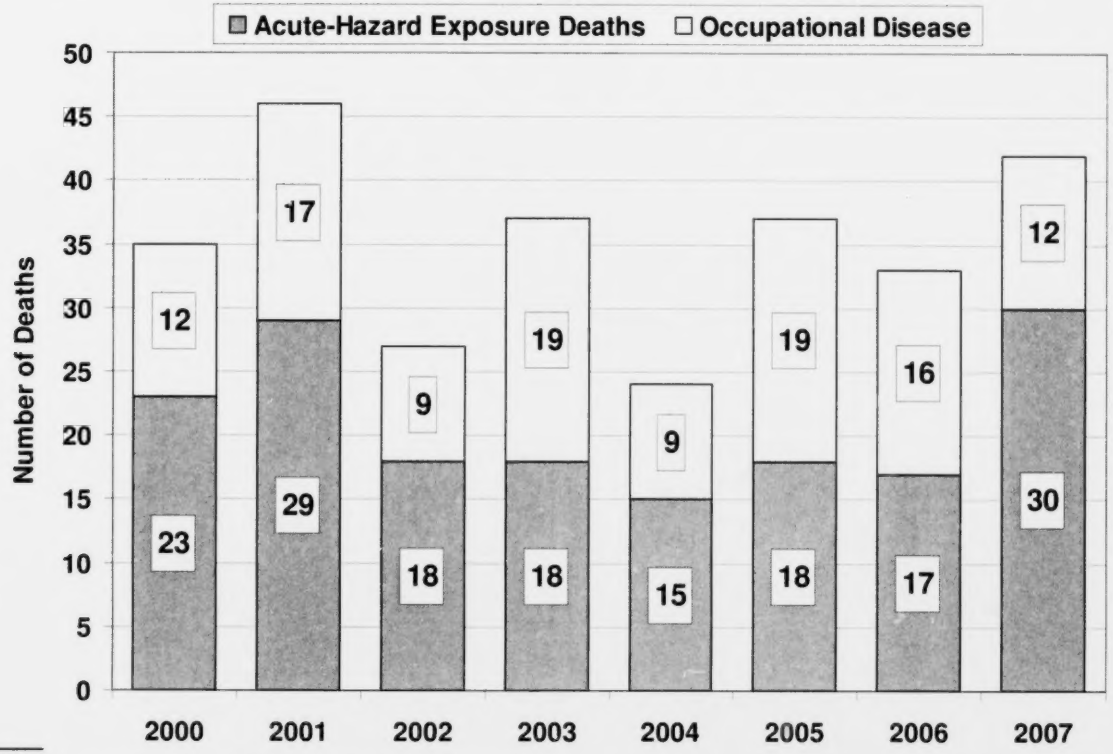
Figure 10 - All Injury Rate and Time Loss Injury Rate, Other Industry Sub-Sectors, 2007



2.0 WORKPLACE FATALITIES

2.1 Acute-Hazard[3] and Occupational Disease[4] Fatalities

Figure 11 - Acute-Hazard and Occupational Disease Fatalities, 2000-2007

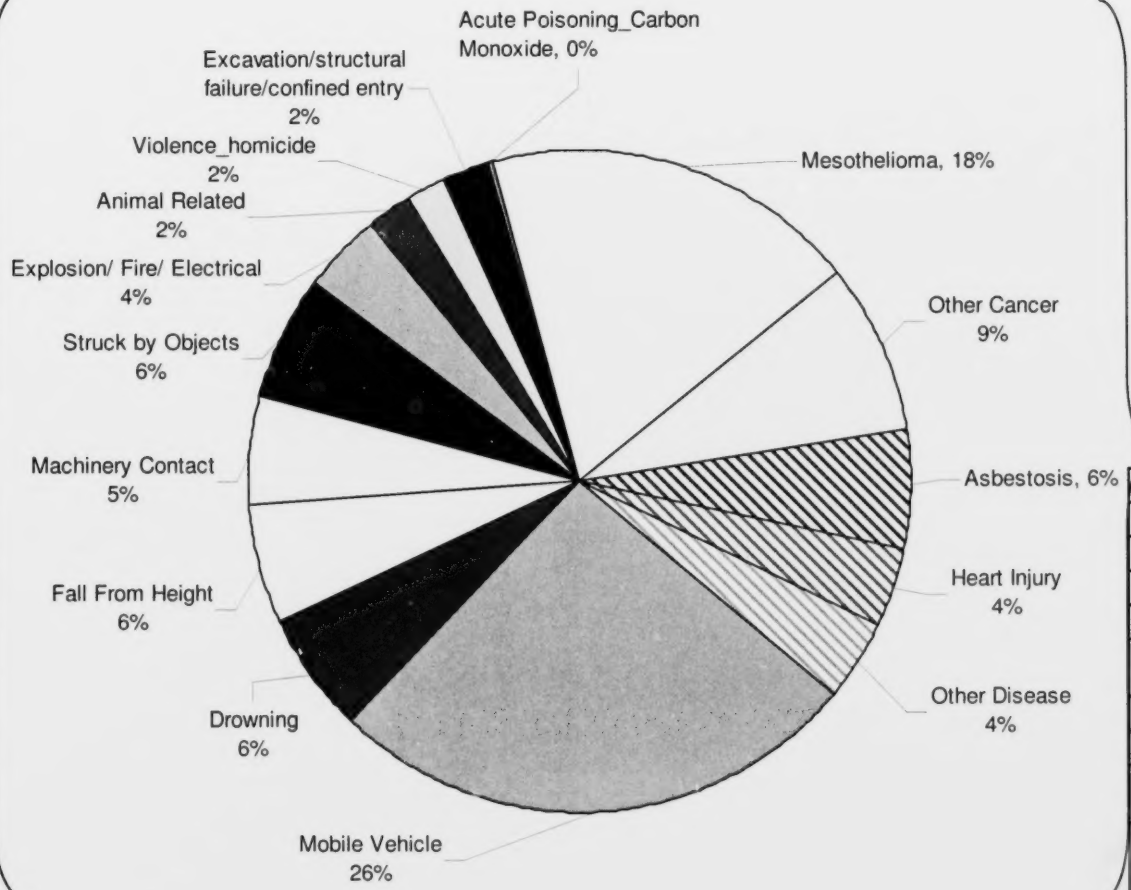


[3]An acute-hazard exposure death is a work-related fatality that occurs when a worker is injured or exposed to a significant amount of a hazardous agent. In such cases, the worker dies immediately or soon after the exposure. This category includes such deaths as falls from height, drowning and highway crashes. It excludes deaths due to infectious agents. Acute-hazard fatalities include fatalities accepted by the Manitoba WCB, and those identified as work-related by the Chief Medical Examiner's Office, the RCMP, and the Workplace Safety and Health Division. These fatalities are recorded by year of death.

[4] An occupational disease death is a work-related fatality that occurs when a worker develops a disease as the result of a long-term exposure to a hazardous substance or contact with a disease-causing agent. In such cases, the worker normally dies after months or years have passed. This category also includes traumatic or single events that have precipitated a functional failure such as a myocardial infarction. The fatalities are organized by year of acceptance by the WCB. Only those occupational disease fatalities accepted by the WCB are included in this report. No other body tracks deaths outside of the WCB system that may be work-related.

Figure 12 - Acute-Hazard and Occupational Disease Fatalities, 2000 to 2007 by Cause

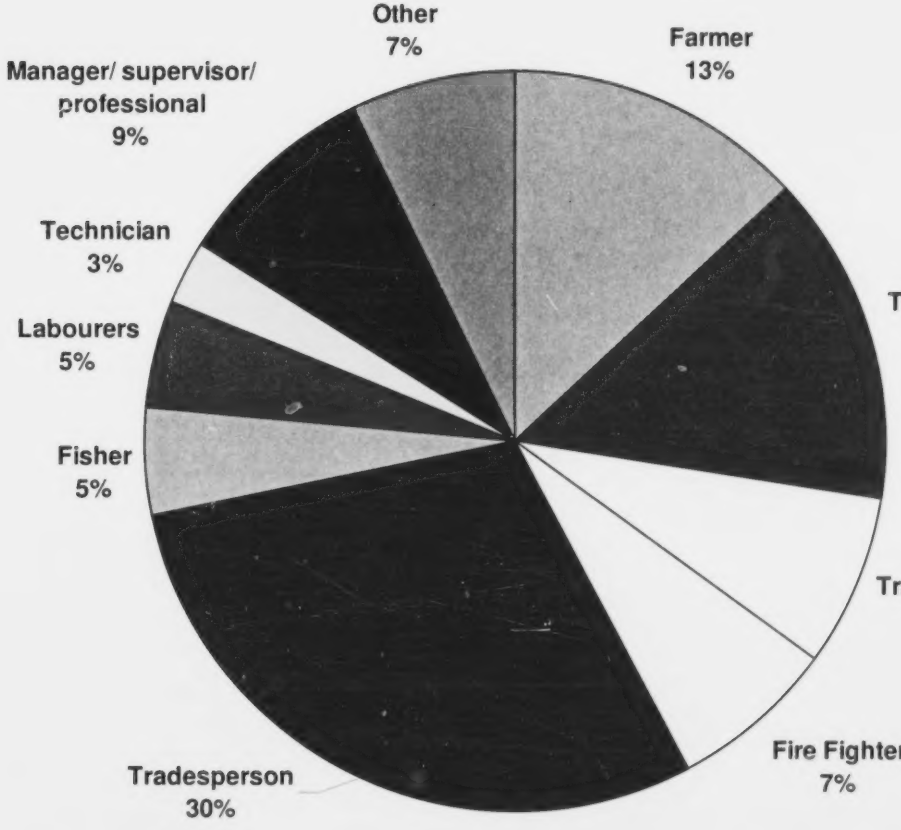
Acute-Hazard Fatalities (168)



Occupational Disease Fatalities (113)

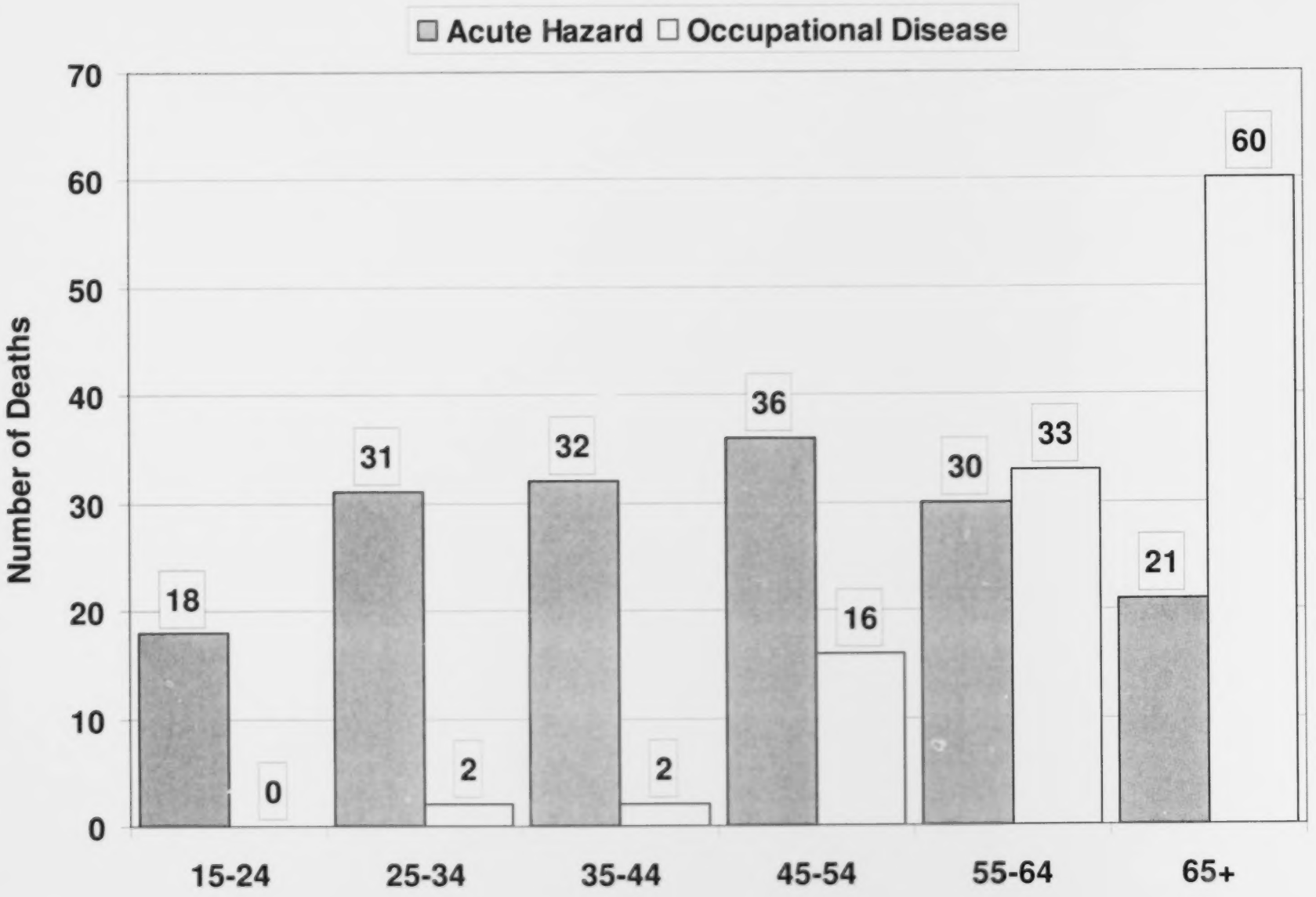
Mobile Vehicle	73
Drowning	17
Fall From Height	16
Machinery Contact	15
Struck by Objects	17
Explosion/ Fire/ Electrical	11
Animal Related	6
Violence/homicide	6
Excavation/structural failure/confined entry	6
Acute Poisoning/Carbon Monoxide	1
Mesothelioma	51
Other Cancer	24
Asbestosis	16
Heart Injury	11
Other Disease	11
Total	281

Figure 13 - Fatalities in the Workplace (Acute Hazard and Occupational Disease) by Occupation, 2000 to 2007



Farmer	37
Truck Drivers	40
Trades Helpers	21
Fire Fighter	21
Tradesperson	82
Fisher	14
Labourers	13
Technician	8
Manager/ supervisor/ professional	25
Other	20
Total	281

Figure 14 - Distribution of Acute-Hazard and Occupational Disease Fatalities by Age, 2000 to 2007



2.2 Acute-Hazard Fatalities

Table 3- Acute-Hazard Fatalities, 2007

Acute-Hazard Fatalities			
Month of Death (2007)	**Industry**	**Circumstances**	**Occupation**
August, 2006[5]	Public Administration	Motor Vehicle Incident	Labourer
January	Service	Crushed by Bulldozer	Equipment Operator
February	Public Administration	Burned in a Fire/Explosion	Fire Fighter
February	Public Administration	Burned in a Fire/Explosion	Fire Fighter
February	Agriculture	Crushed by Tractor	Farmer (Child)
February	Agriculture	Crushed by a Cow	Farmer
March	Construction	Motor Vehicle Incident	Truck Driver
March	Construction	Motor Vehicle Incident	Apprentice
April	Construction	Buried in Pile of Gravel	Loader Operator
April	Public Administration	Fell Down Stairs	Janitor
April	Public Administration	Homicide	Ferry Operator
May	Transportation, Communication and Utilities	Crushed by Rail Car	Engineer/Conductor
May	Transportation, Communication and Utilities	Motor Vehicle Incident	Truck Driver
July	Transportation, Communication and Utilities	Motor Vehicle Incident	Truck Driver
July	Construction	Struck in Head	Sandblaster
July	Transportation, Communication and Utilities	Motor Vehicle Incident	Truck Driver
August	Transportation, Communication and Utilities	Fall from Height	Technician
August	Transportation, Communication and Utilities	Helicopter Crash	Pilot

[5] Fatalities are counted in the year of acceptance. With motor vehicle deaths, acceptance may be delayed as there is an option to make a claim for fatality benefits from either the WCB or Manitoba Public Insurance. The claim cannot be counted until the decision has been made by the worker's estate.

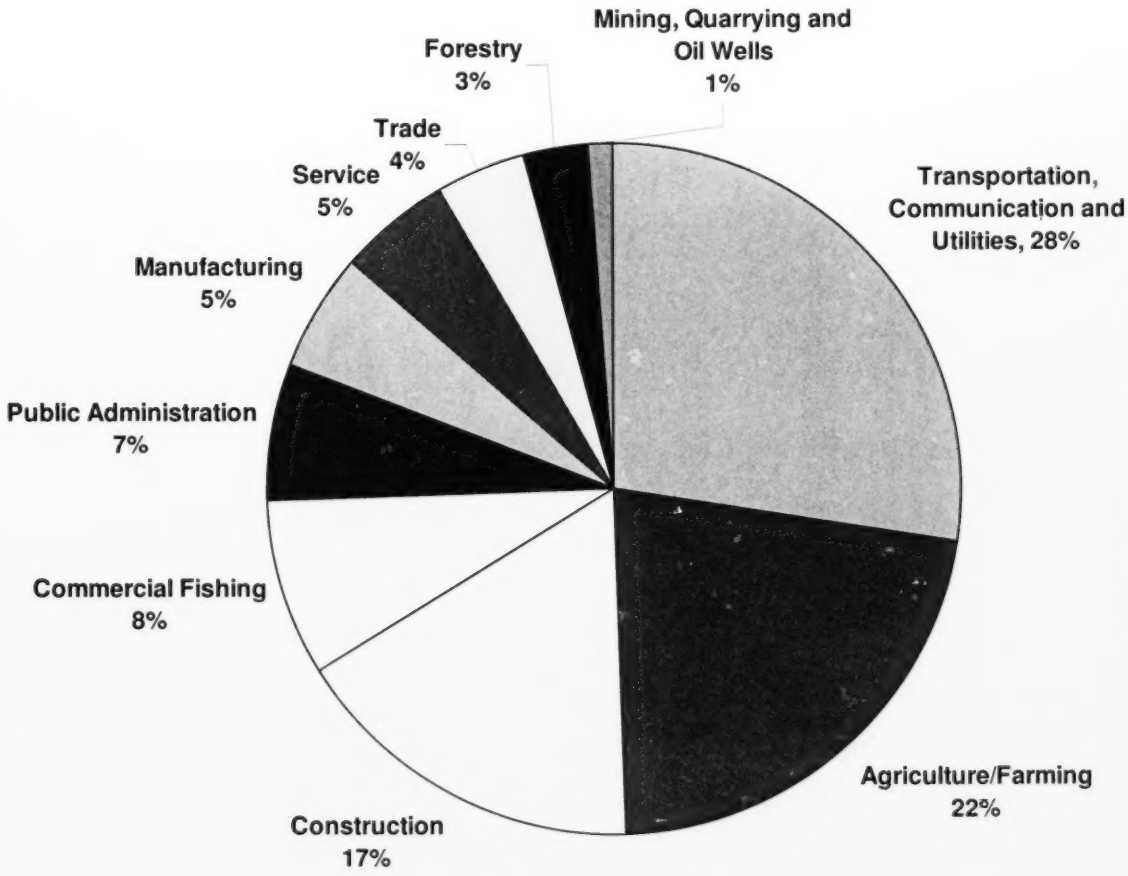
Acute-Hazard Fatalities			
Month of Death (2007)	**Industry**	**Circumstances**	**Occupation**
August	Agriculture	Machinery Contact	Farmer
August	Public Administration	Boom Truck Incident	Skilled Labourer
September	Agriculture	Machinery Contact	Farmer
September	Construction	Motor Vehicle Incident	Skilled Labourer
September	Construction	Motor Vehicle Incident	Skilled Labourer
September	Forestry	Boom Truck Incident	Tree Trimmer
September	Transportation, Communication and Utilities	Motor Vehicle Incident	Tow Truck Driver
October	Construction	Fall from Height	Service Manager
October	Agriculture	Struck by Objects	Farmer
October	Construction	Fall from Height	Roofer
October	Agriculture	Struck by Objects	Farmer
October	Transportation, Communication and Utilities	Motor Vehicle Incident	Truck Driver

Table 4 - Acute-Hazard Exposure Fatalities by Industry, 2000 to 2007

Sector	2000	2001	2002	2003	2004	2005	2006	2007
Agriculture/Farming	8	3	1	6	4	5	4	6
Forestry	0	1	1	0	0	2	0	1
Commercial Fishing	0	3	2	1	4	4	0	0
Mining, Quarrying and Oil Wells	1	1	0	0	0	0	0	0
Construction	2	3	7	2	2	1	3	8
Manufacturing	2	0	1	2	0	1	3	0
Transportation, Communication and Storage (Includes inter-provincial trucking and rail and air transport)	8	15	2	3	1	4	4	9
Trade	0	1	1	0	3	0	2	0
Service[6]	0	0	3	3	1	1	1	0
Public Administration (includes RCMP, prisons, federal agencies)	2	2	0	1	0	0	0	6
Total for Acute-Hazard Exposure Fatalities	**23**	**29**	**18**	**18**	**15**	**18**	**17**	**30**

[6] Service includes schools, healthcare, security guards

Figure 15 - Acute-Hazard Fatalities by Major Industry Sectors, 2000 to 2007



Transportation, Communication and Utilities	46
Agriculture/Farming	37
Construction	28
Commercial Fishing	14
Public Administration	11
Manufacturing	9
Service	9
Trade	7
Forestry	5
Mining, Quarrying and Oil Wells	2
Total	168

2.3 Occupations Disease Fatalities

Table 5 - Occupational Disease Fatalities Accepted by the WCB, 2000 to 2007

Disease Conditions	2000	2001	2002	2003	2004	2005	2006	2007
Asbestosis	2	3	1	3	1	3	2	1
Mesothelioma	4	11	7	8	7	8	4	2
Other Cancers	2	1	1	7	0	4	6	3
Heart Injury	2	1	0	1	1	0	3	3
Other Disease	2	1	0	0	0	4	1	3
Total	**12**	**17**	**9**	**19**	**9**	**19**	**16**	**12**

Table 6 Occupational Disease Fatalities 2007

Occupational Disease Fatalities			
Date of Death	**Industry**	**What Happened - Disease**	**Occupation**
July 2005	Transportation, Communication and Utilities	Hearing – Post Traumatic Stress	Equipment Operator
November 2005	Mining	Hurt Back - Post Traumatic Stress	Miner
April 2006	Public Administration	Other Cancer	Fire Fighter
June 2006	Public Administration	Other Cancer	Fire Fighter
September 2007	Trade	Heart Injury	General Manager
October 2006	Public Administration	Mesothelioma	Carpenter
April 2007	Public Administration	Other Cancer	Fire Fighter
February 2007	Transportation, Communication and Utilities	Heart Injury	Truck Driver
April 2007	Construction	Mesothelioma	Insulator
June 2007	Public Administration	Heart Injury	Fire Fighter
June 2007	Construction	Asbestosis	Carpenter
August 2007	Trade	Chronic Obstructive Lung Disease	Grain Buyer

3.0 WORKPLACE INJURY AND ILLNESS ANALYSIS

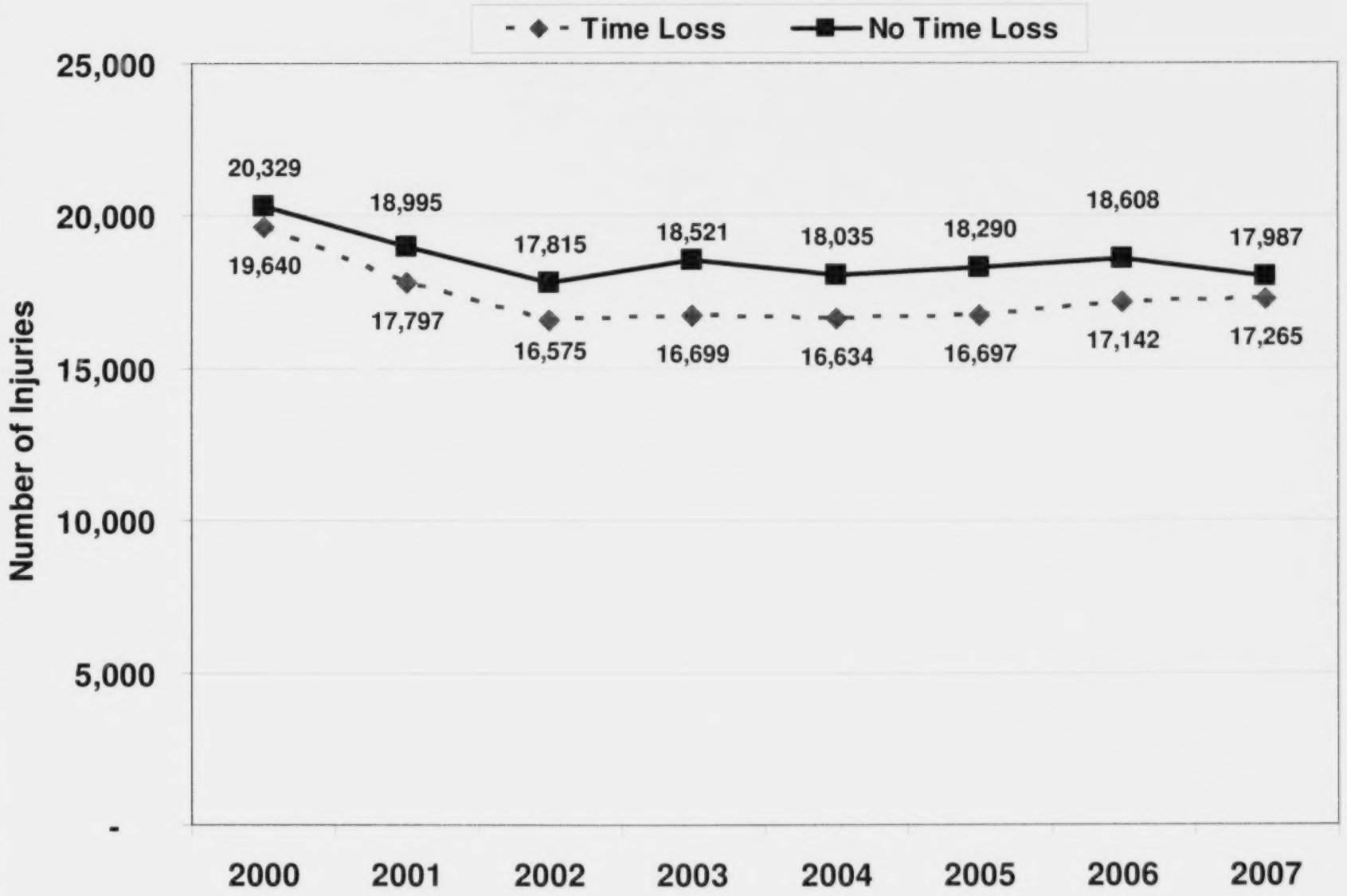
3.1 Time Loss and No time Loss injuries

Table 7 – Notified and Accepted Time Loss and No Time Loss Injuries, 2000 to 2007

	Reported to WCB and Accepted							
Type of Injury	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**
Time Loss Injuries	19,640	17,797	16,575	16,699	16,634	16,697	17,142	17,265
No Time Loss Injuries	20,329	18,995	17,815	18,521	18,035	18,290	18,608	17,987
Total All Injuries	**39,969**	**36,792**	**34,390**	**35,220**	**34,669**	**34,987**	**35,750**	**35,252**

Note: The data used to calculate the annual injury rates includes injuries where the WCB is notified of the claim and it is accepted in the particular year, regardless of the year of injury.

Figure 16 - Trends in Time Loss and No Time Loss Injuries 2000-2007



3.2 Accepted Injuries by Age Group

Table 8- Injuries by Age Group, 2000 to 2007

	Year of Injury or Illness							
Age Group	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**
15-24	7,418	6,563	6,031	6,072	5,927	6,044	6,037	5,969
25-34	10,306	9,087	8,175	8,116	7,848	7,901	7,929	7,546
35-44	11,299	10,387	9,579	9,620	8,938	8,686	8,645	8,196
45-54	7,141	7,142	6,902	7,425	7,723	7,924	8,322	8,425
55+	2,978	3,142	3,161	3,575	3,815	4,067	4,401	4,613
Not Coded	827	471	542	412	418	365	416	503
Total	**39,969**	**36,792**	**34,390**	**35,220**	**34,669**	**34,987**	**35,750**	**35,252**

Figure 17 - Proportion of All Injuries and Employment by Age Group, 2007

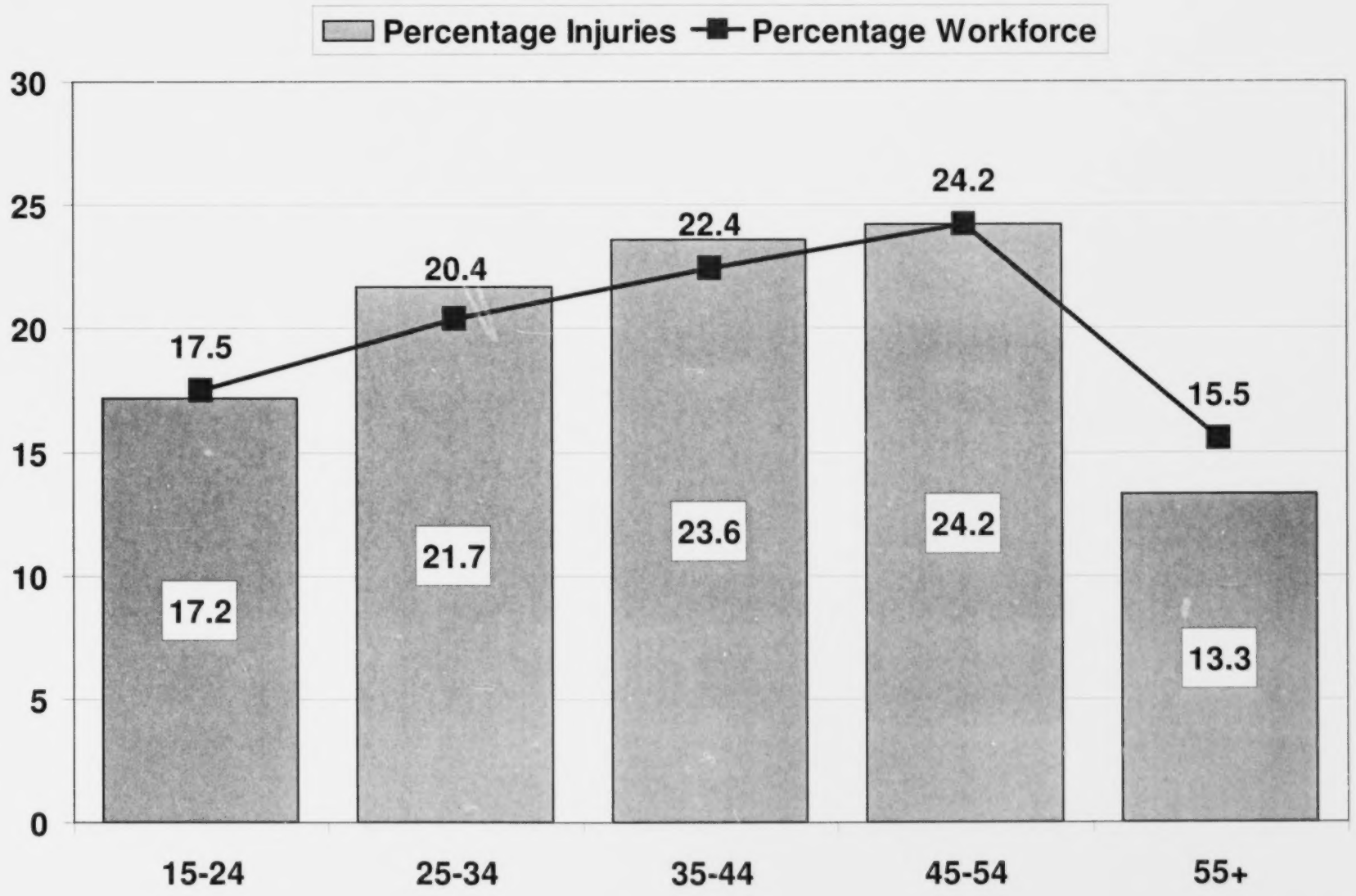
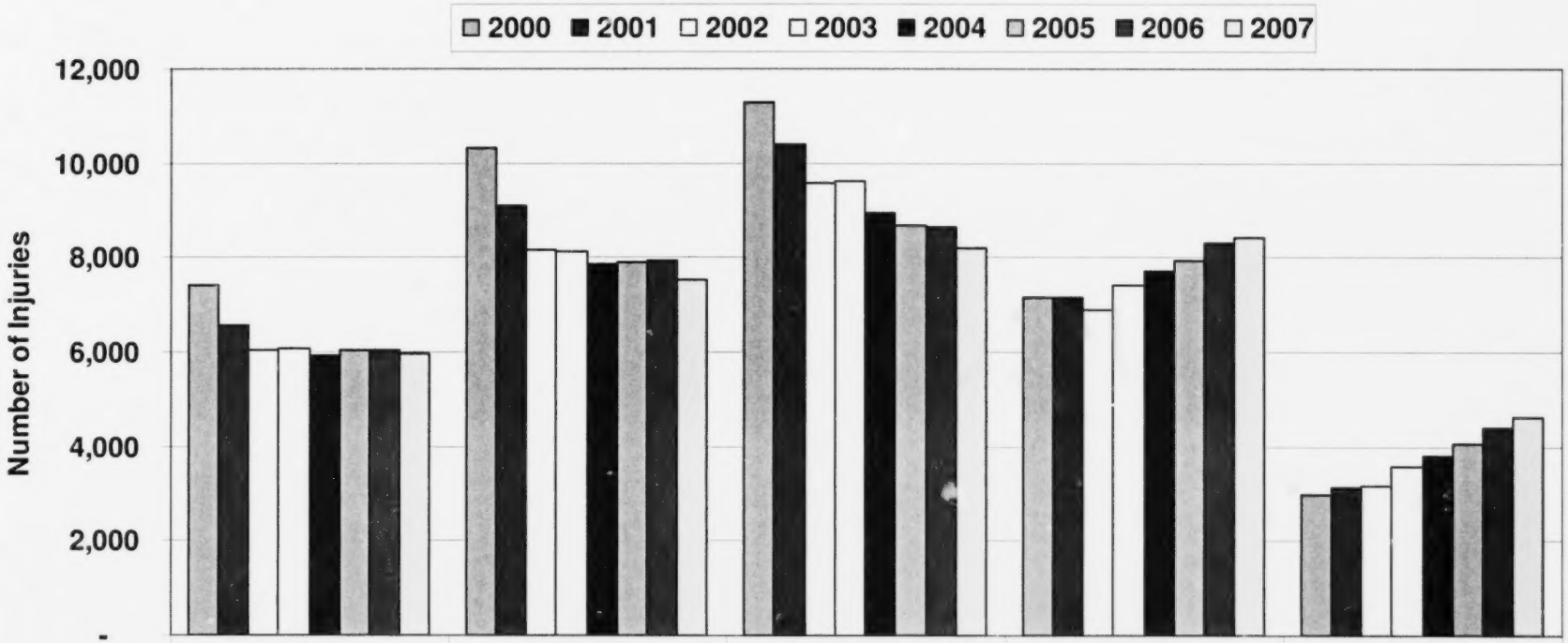


Figure 18 - All Injuries by Age Group, 2000 to 2007



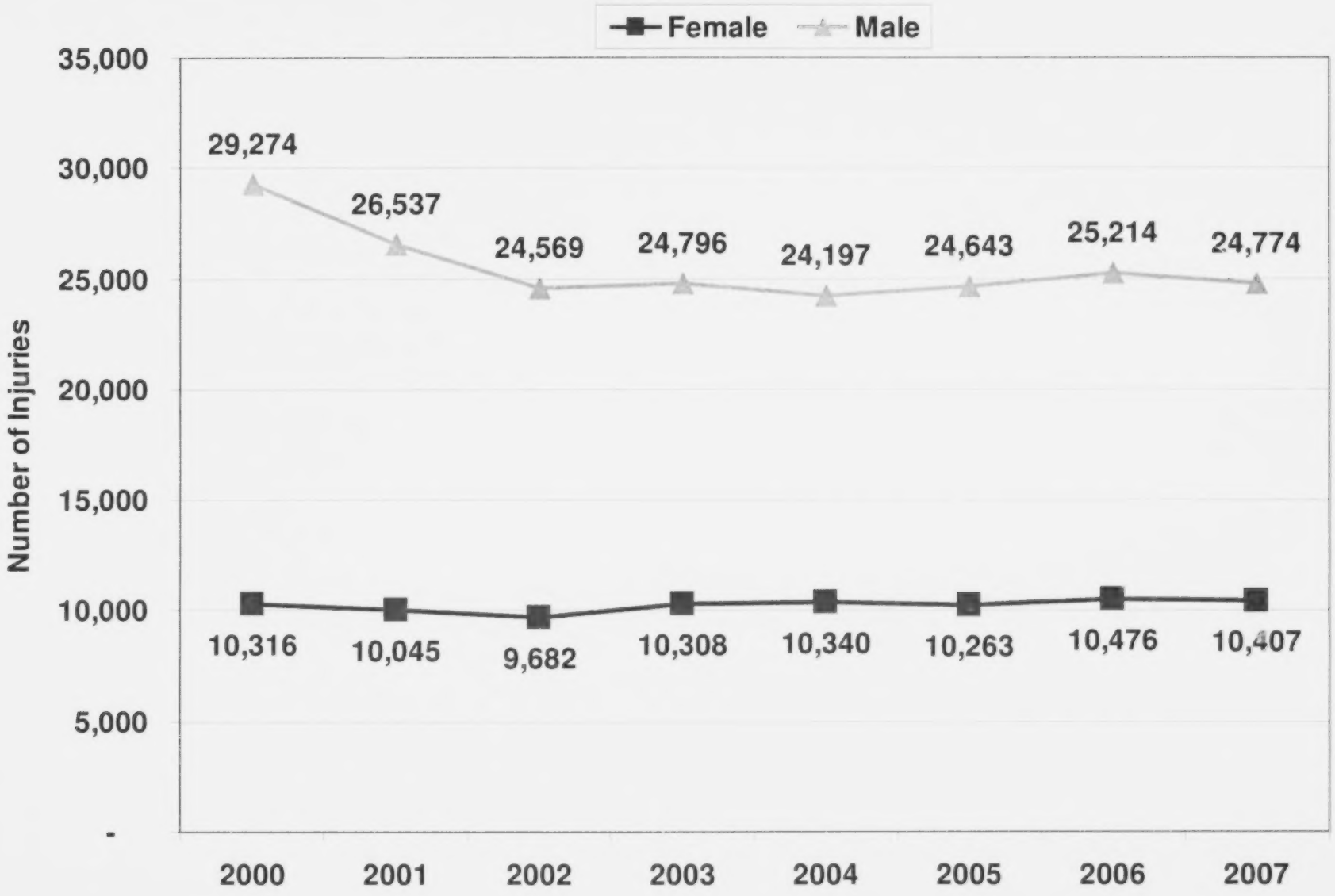
	15-24	25-34	35-44	45-54	55+
2000	7,418	10,306	11,299	7,141	2,978
2001	6,563	9,087	10,387	7,142	3,142
2002	6,031	8,175	9,579	6,902	3,161
2003	6,072	8,116	9,620	7,425	3,575
2004	5,927	7,848	8,938	7,723	3,815
2005	6,044	7,901	8,686	7,924	4,067
2006	6,037	7,929	8,645	8,322	4,401
2007	5,969	7,546	8,196	8,425	4,613

3.3 Accepted Injuries by Gender

Table 9 - Injuries by Gender, 2000 to 2007

Gender	Year of Injury or Illness							
	2000	2001	2002	2003	2004	2005	2006	2007
Female	10,316	10,045	9,682	10,308	10,340	10,263	10,476	10,407
Male	29,274	26,537	24,569	24,796	24,197	24,643	25,214	24,774
Gender Unspecified	379	210	139	116	132	81	60	71
Total	**39,969**	**36,792**	**34,390**	**35,220**	**34,669**	**34,987**	**35,750**	**35,252**
Percentage Female Injuries	**25.8%**	**27.3%**	**28.2%**	**29.3%**	**29.8%**	**29.3%**	**29.3%**	**29.5%**

Figure 19 - Injuries by Gender, 2000 to 2007



3.4 Injuries by Industry Sector

Table 10 - Time Loss Injuries by Major Industry Sectors and Selected Sub-Sectors, 2000 to 2007

WCB Industry Sectors and Selected Sub-Sectors	2000	2001	2002	2003	2004	2005	2006	2007
Forestry	**20**	**29**	**26**	**29**	**25**	**19**	**15**	**27**
Mining, Quarrying & Oil Wells	**152**	**109**	**95**	**98**	**99**	**94**	**118**	**158**
• Mining	113	69	64	60	62	54	73	115
Manufacturing	**7,640**	**6,355**	**5,565**	**5,231**	**4,604**	**4,526**	**4,497**	**4,239**
• Meat Processing	494	414	417	389	319	260	274	246
• Metal Works	987	791	762	829	686	799	871	885
• Vehicle Manufacturing	1,119	914	501	425	286	273	236	240
• Agricultural Implement Manufacturing	822	610	600	566	547	496	578	530
• Wood Manufacturing	1,316	1,109	986	880	764	717	645	567
• Printing	239	204	245	205	198	195	177	149
• Clothing Manufacturing	214	172	167	155	130	77	68	59
• Aircraft Manufacturing and Repair	225	224	182	124	116	104	123	141
Construction	**1,645**	**1,384**	**1,416**	**1,510**	**1,561**	**1,770**	**1,892**	**2,035**
• Building Construction	1,389	1,161	1,174	1,251	1,313	1,492	1,589	1,689
• Heavy Construction	256	223	242	259	248	278	303	346
Transportation, Communication & Storage	**1,349**	**1,208**	**1,156**	**1,213**	**1,297**	**1,275**	**1,317**	**1,495**
• Trucking	852	779	747	786	870	843	862	914
Trade	**2,622**	**2,593**	**2,418**	**2,479**	**2,552**	**2,574**	**2,683**	**2,643**
• Supermarket and Department Stores	1,262	1,354	1,265	1,303	1,322	1,413	1,433	1,377
Service	**3,389**	**3,470**	**3,460**	**3,516**	**3,647**	**3,588**	**3,692**	**3,814**
• Accommodation and Restaurants	814	841	706	709	725	680	703	709
• Health care	2,205	2,249	2,358	2,398	2,484	2,439	2,498	2,531
Public Administration	**137**	**133**	**146**	**126**	**142**	**147**	**143**	**151**
Voluntary	**925**	**875**	**814**	**823**	**911**	**855**	**959**	**833**
• Agriculture[7]	88	114	109	120	141	113	112	114
• Educational Institutions	393	339	343	350	386	385	467	398
Self Insurers	**1,761**	**1,641**	**1,479**	**1,674**	**1,796**	**1,849**	**1,826**	**1,870**
Overall[8]	**19,640**	**17,797**	**16,575**	**16,699**	**16,634**	**16,697**	**17,142**	**17,265**

Source: WCB Claim and Employer Databases

[7] Note: The WCB covers only a small proportion of the agriculture and education sectors so that most work-related injuries are not reported to the WCB.
[8] Totals may not add as a few injuries or illnesses do not have their sector coded.

Table 11 – All Injuries by Major Industry Sectors and Selected Sub-Sectors, 2000 to 2007

WCB Industry Sectors and Selected Sub-Sectors	2000	2001	2002	2003	2004	2005	2006	2007
Forestry	**42**	**64**	**74**	**49**	**44**	**49**	**35**	**41**
Mining, Quarrying & Oil Wells	**1,018**	**923**	**700**	**714**	**701**	**704**	**793**	**919**
• Mining	822	740	588	574	604	585	648	735
Manufacturing	**15,566**	**13,683**	**12,348**	**11,832**	**10,489**	**10,510**	**10,159**	**9,383**
• Meat Processing	1,446	1,368	1,437	1,375	1,062	1,114	961	816
• Metal Works	2,205	1,830	1,713	1,794	1,676	1,829	1,904	1,876
• Vehicle Manufacturing	1,816	1,484	934	812	557	553	501	535
• Agricultural Implement Manufacturing	1,703	1,297	1,266	1,3290	1,350	1,256	1,257	1,188
• Wood Manufacturing	2,609	2,509	2,296	2,035	1,756	1,743	1,674	1,436
• Printing	466	377	433	442	383	361	335	295
• Clothing Manufacturing	339	294	274	244	192	155	128	100
• Aircraft Manufacturing and Repair	419	422	341	226	228	212	257	254
Construction	**3,306**	**2,757**	**2,736**	**2,978**	**3,045**	**3,363**	**3,688**	**4,066**
• Building Construction	2,789	2,324	2,242	2,482	2,546	2,807	3,052	3,378
• Heavy Construction	517	433	494	496	499	556	636	688
Transportation, Communication & Storage	**2,355**	**2,112**	**1,942**	**2,103**	**2,170**	**2,120**	**2,178**	**2,415**
• Trucking	1,364	1,255	1,131	1,232	1,355	1,281	1,317	1,415
Trade	**5,278**	**5,133**	**4,890**	**5,267**	**5,234**	**5,367**	**5,613**	**5,377**
• Supermarket and Department Stores	2,568	2,643	2,534	2,701	2,788	2,928	3,015	2,840
Service	**6,369**	**6,415**	**6,276**	**6,552**	**7,014**	**6,881**	**7,146**	**7,095**
• Accommodation and Restaurants	1,968	1,863	1,632	1,606	1,645	1,580	1,639	1,528
• Health care	3,795	3,922	4,014	4,244	4,575	4,463	4,616	4,528
Public Administration	**318**	**292**	**310**	**311**	**295**	**325**	**348**	**364**
Voluntary	**1,827**	**1,682**	**1,692**	**1,758**	**1,849**	**1,799**	**2,005**	**1,772**
• Agriculture[9]	174	206	207	238	271	213	234	211
• Educational Institutions	751	649	708	723	741	764	851	860
Self Insurers	**3,890**	**3,731**	**3,422**	**3,656**	**3,828**	**3,869**	**3,785**	**3,820**
Overall[10]	**39,969**	**36,792**	**34,390**	**35,220**	**34,669**	**34,987**	**35,750**	**35,252**

Source: WCB Claim and Employer Databases

[9] Note: The WCB covers only a small proportion of the agriculture and education sectors so that most work-related injuries are not reported to the WCB.
[10] Totals may not add as a few injuries or illnesses do not have their sector coded.

Figure 20 – Proportions of Injuries and FTE Workers by Major Industry Sectors, 2007

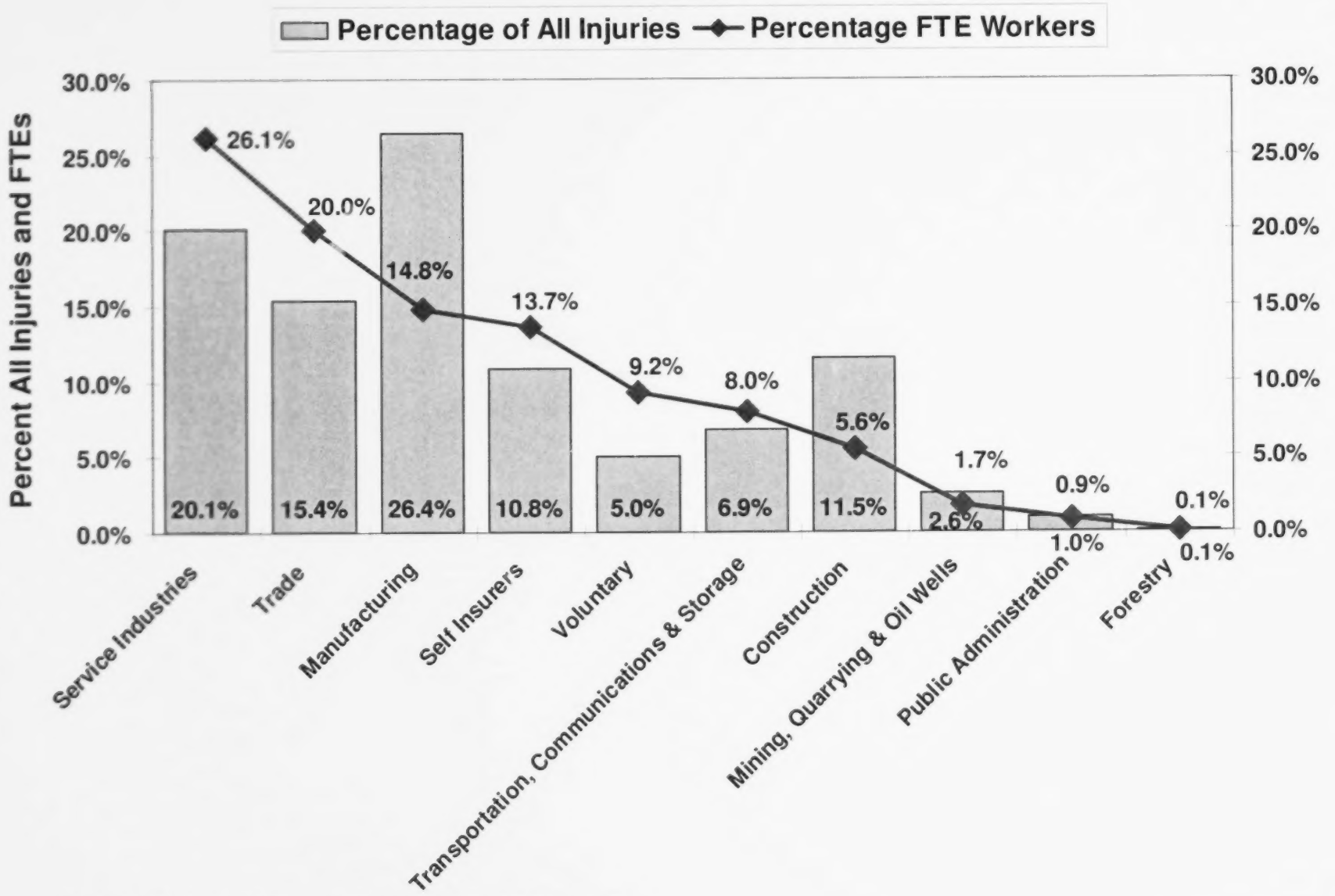
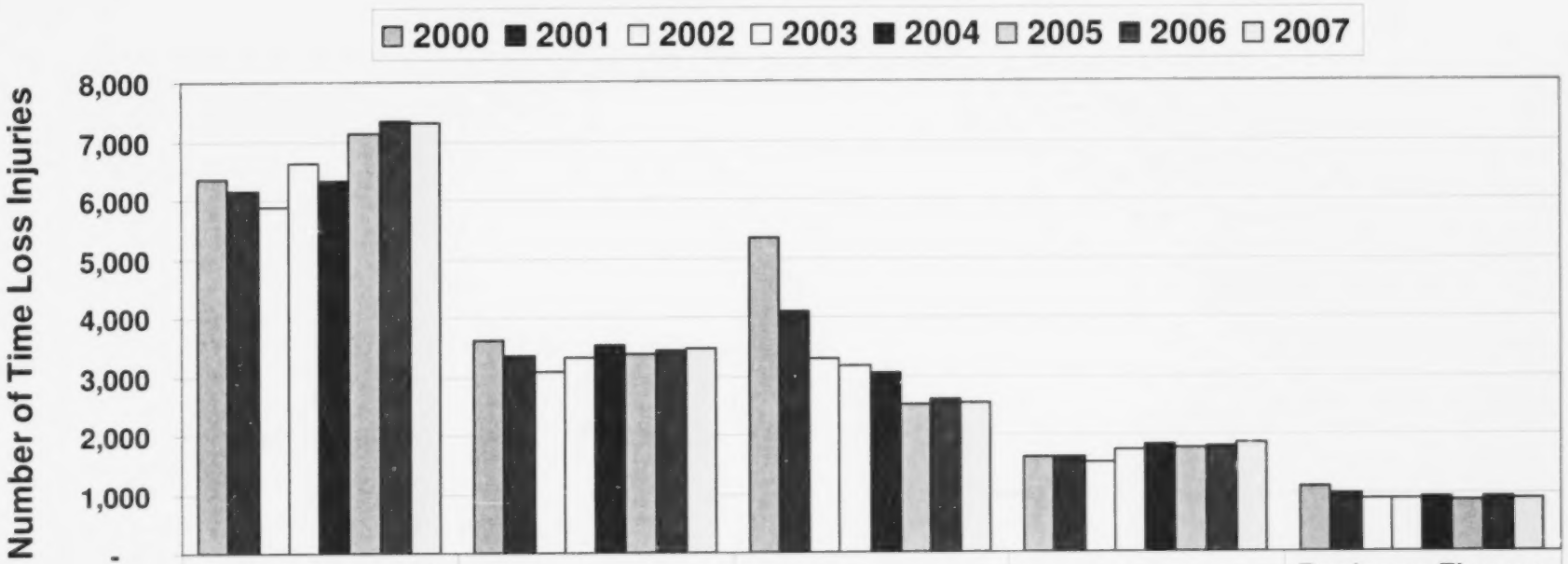
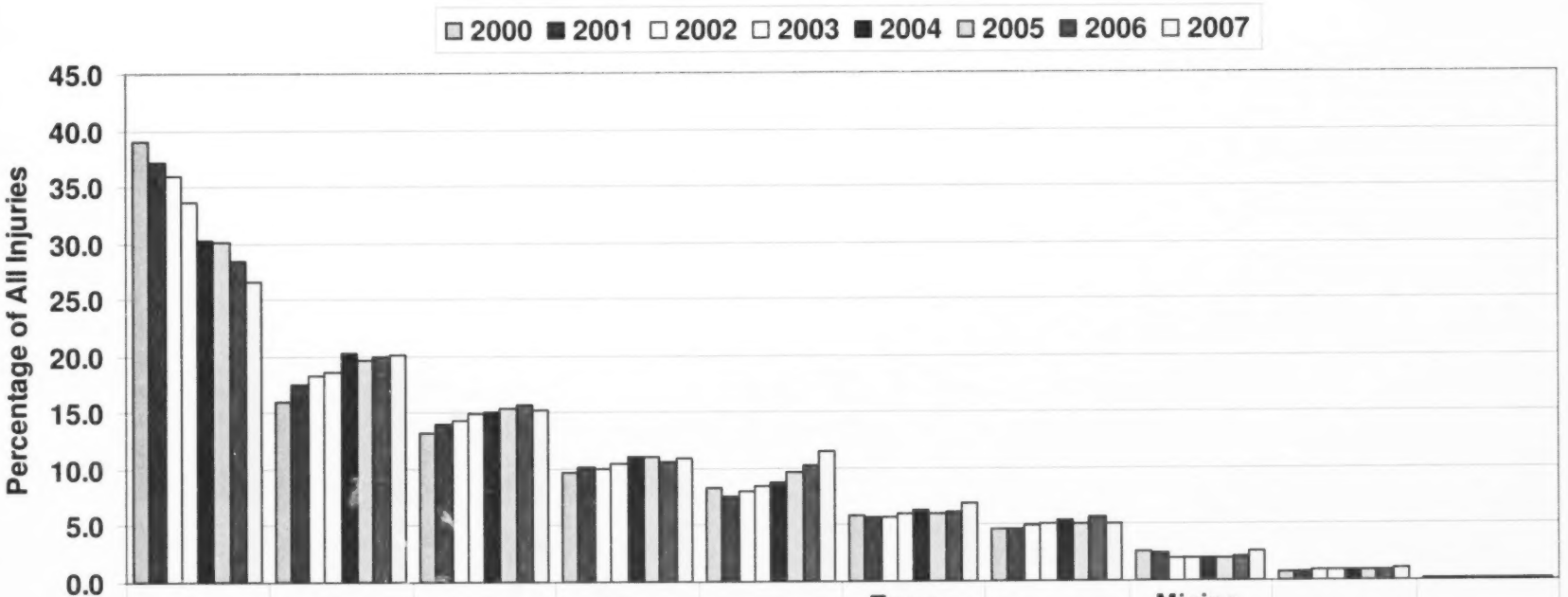


Figure 21 - Time Loss Injury Trends in Major Occupational Groupings, 2000 to 2007



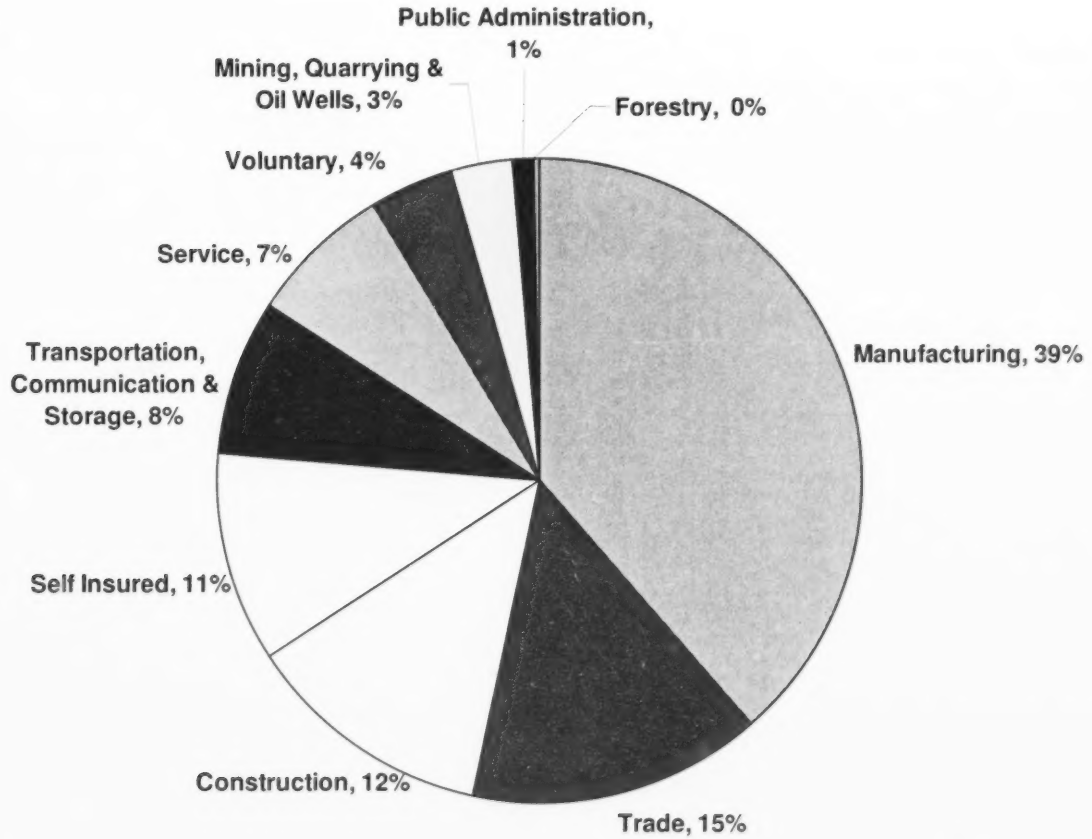
	Trades, Transport & Equipment Operators	Sales and Service	Processing, Manufacturing	Health Occupations	Business, Finance & Administration Occupations
2000	6,373	3,613	5,329	1,626	1,116
2001	6,144	3,352	4,088	1,611	998
2002	5,893	3,065	3,290	1,520	882
2003	6,638	3,312	3,175	1,728	890
2004	6,340	3,516	3,042	1,808	919
2005	7,149	3,378	2,498	1,766	865
2006	7,336	3,437	2,592	1,791	917
2007	7,328	3,468	2,529	1,838	899

Figure 22 - Percent Distribution of All Injuries by Major Industry Sectors, 2000 to 2007



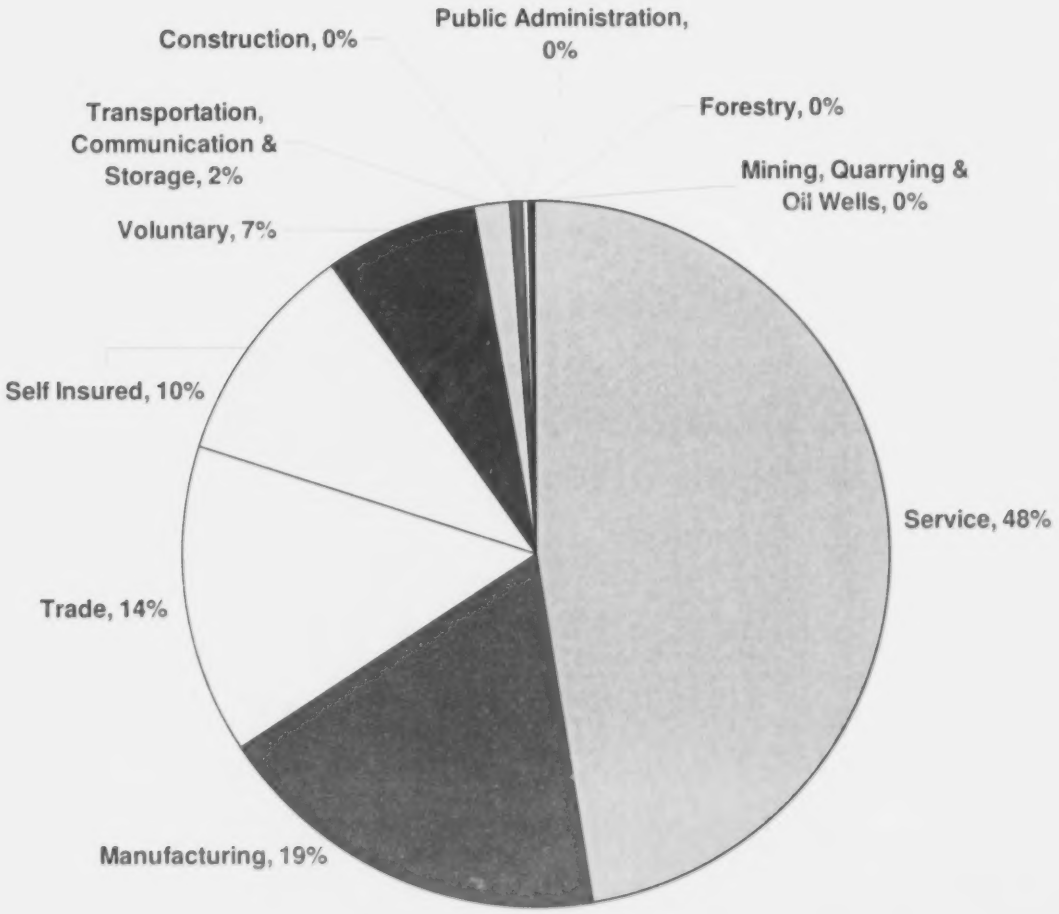
	Manufac-turing	Service	Trade	Self Insured	Construc-tion	Trans., Comm. & Storage	Voluntary	Mining, Quarrying & Oil Wells	Public Admin.	Forestry
2000	38.9	15.9	13.2	9.7	8.3	5.9	4.6	2.5	0.8	0.1
2001	37.2	17.4	14.0	10.1	7.5	5.7	4.6	2.5	0.8	0.2
2002	35.9	18.2	14.2	10.0	8.0	5.6	4.9	2.0	0.9	0.2
2003	33.6	18.6	15.0	10.4	8.5	6.0	5.0	2.0	0.9	0.1
2004	30.3	20.2	15.1	11.0	8.8	6.3	5.3	2.0	0.9	0.1
2005	30.0	19.7	15.3	11.1	9.6	6.1	5.1	2.0	0.9	0.1
2006	28.4	20.0	15.7	10.6	10.3	6.1	5.6	2.2	1.0	0.1
2007	26.6	20.1	15.3	10.8	11.5	6.9	5.0	2.6	1.0	0.1

Figure 23 - Male Injuries by Major Industry Sectors, 2000 to 2007



Manufacturing	78,599
Trade	30,333
Construction	25,456
Self Insured	21,422
Transportation, Communication & Storage	16,080
Service	14,698
Voluntary	8,582
Mining, Quarrying & Oil Wells	6,209
Public Administration	2,239
Forestry	386
Total	204,004

Figure 24 - Female Injuries by Major Industry Sectors, 2000 to 2007



Service	38,824
Manufacturing	15,096
Trade	11,651
Self Insured	8,370
Voluntary	5,736
Transportation, Communication & Storage	1,266
Construction	370
Public Administration	311
Mining, Quarrying & Oil Wells	203
Forestry	10
Total	81,837

3.5 Occupations of Injured and Ill Workers (Time Loss Injuries Only)

Table 12- Time Loss Injuries by Occupational Groups, 2000 to 2007

	Year of Injury or Illness							
Occupational Groups	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**
Trades, Transport & Equipment Operators	6,373	6,144	5,893	6,638	6,340	7,149	7,336	7,328
Processing, Manufacturing	5,329	4,088	3,290	3,175	3,042	2,498	2,592	2,529
Sales and Service	3,613	3,352	3,065	3,312	3,516	3,378	3,437	3,468
Health Occupations	1,626	1,611	1,520	1,728	1,808	1,766	1,791	1,838
Business, Finance & Administration Occupations	1,116	998	882	890	919	865	917	899
Primary Industry	270	204	191	182	205	173	219	267
Social Science, Education, Government	166	157	206	257	291	364	402	426
Management Occupations	151	140	177	181	203	210	173	212
Natural & Applied Sciences & Related	149	126	115	171	150	190	174	209
Art, Culture, Recreation	48	46	55	64	72	67	80	78
Not Coded	799	931	1,181	101	88	37	21	11
Total	**19,640**	**17,797**	**16,575**	**16,699**	**16,634**	**16,697**	**17,142**	**17,265**

3.6 Part of Body Injured

Table 13 - Injuries by Part of Body Injured ("Stickman[11] Codes"), 2000 to 2007

Stickman Code Description	Year of Injury or Illness							
	2000	2001	2002	2003	2004	2005	2006	2007
Hand/fingers	9,276	8,614	7,966	7,838	7,575	7,519	7,510	7,159
Multiple	5,929	5,535	5,415	5,277	5,612	5,653	6,037	6,277
Lower Back	6,024	5,481	5,065	5,352	5,084	5,062	5,207	5,045
Lower Leg	3,397	3,199	3,092	3,244	3,160	3,385	3,405	3,395
Lower Arm	3,506	3,176	2,957	3,181	3,148	2,913	2,972	2,774
Eyes	3,600	2,905	2,770	2,829	2,697	2,679	2,710	2,568
Shoulder	1,536	1,500	1,367	1,467	1,527	1,614	1533	1,573
Foot/toes	1,352	1,220	1,103	1,141	1,027	1,019	1117	1,153
Miscellaneous	1,167	1,188	943	979	1,013	1,077	1,051	1,098
Ribs/Chest	919	865	796	877	862	866	943	929
Head	861	751	760	759	730	711	781	746
Abdomen	482	508	442	466	420	465	473	469
Hearing	309	322	374	409	496	618	600	742
Neck	395	346	327	289	295	304	316	302
Upper Back	253	240	249	281	254	284	263	250
Upper Leg	245	236	170	213	223	213	245	231
Cardio Vascular/ Respiratory System	290	273	193	193	159	203	202	178
Pelvis	184	188	179	167	168	160	149	157
Upper arm	142	155	156	147	135	167	169	144
Industrial Disease	76	64	41	76	48	33	51	37
Not Coded	26	26	25	35	36	42	16	25
Total	**39,969**	**36,792**	**34,390**	**35,220**	**34,669**	**34,987**	**35,750**	**35,252**

[11] WCB Coding system for all injuries where body part injured is related to a stick figure: A=head, B=Eyes, C=neck, D=shoulder etc.

Table 14 - Time Loss Injuries by Part of Body Affected, 2000 to 2007

Part of Body[12]	Year of Notification of Injury or Illness							
	2000	2001	2002	2003	2004	2005	2006	2007
Back including spine & spinal cord	5,029	4,610	4,487	4,656	4,760	4,766	4,872	4,905
Other trunk	2,086	1,780	1,597	1,714	1,902	2,142	1,920	2,151
Trunk	**7,115**	**6,390**	**6,084**	**6,370**	**6,662**	**6,908**	**6,792**	**7,056**
Fingers	2,212	2,102	1,952	1,743	1,750	1,763	1,732	1,668
Hands/wrists except fingers	1,775	1,468	1,263	1,358	1,411	1,316	1,386	1,346
Other upper extremities	1,225	1,034	1,124	1,065	1,067	1,016	1,060	1,078
Upper Extremities	**5,212**	**4,604**	**4,339**	**4,166**	**4,228**	**4,095**	**4,178**	**4,092**
Legs	1,286	1,243	1,169	1,202	1,237	1,315	1,342	1,367
Ankles/feet (not toes)	1,274	1,232	1,151	1,181	1,116	1,141	1,210	1,174
Other lower extremities	312	212	268	267	272	255	271	523
Lower Extremities	**2,872**	**2,687**	**2,588**	**2,650**	**2,625**	**2,711**	**2,823**	**3,064**
Eyes	915	746	655	659	632	636	646	647
Other head	420	362	323	360	380	449	376	427
Neck	252	211	207	184	229	250	245	279
Head and Neck	**1,587**	**1,319**	**1,185**	**1,203**	**1,241**	**1,335**	**1,267**	**1,353**
Multiple body parts	**2,322**	**2,391**	**2,211**	**2,062**	**1,645**	**1,580**	**1,865**	**1,679**
Body Systems	**241**	**192**	**131**	**150**	**147**	**155**	**211**	**200**
Missing/Not Coded/Part of body- unknown/other	**291**	**214**	**37**	**98**	**86**	**13**	**7**	**19**
Total	**19,640**	**17,797**	**16,575**	**16,699**	**16,634**	**16,697**	**17,142**	**17,265**

[12] Note: This table is based on the CSA Z795 coding standard.

3.7 Time Loss Injuries by Nature of Injury or Illness

Table 15 - Time Loss Injuries by Nature of Injury or Illness, 2000 to 2007

Nature of Injury or Illness[13]	Year of Injury or Illness							
	2000	2001	2002	2003	2004	2005	2006	2007
Sprains, strains and tears	8,582	8,591	8,600	8,846	9,133	9,438	9,747	9,747
Surface wounds, bruises	2,623	2,212	1,986	2,029	1,998	2,046	1,897	1,866
Open wounds	2,211	2,085	1,894	1,716	1,675	1,637	1,584	1,609
Other traumatic injuries & disorders	2,593	2,292	1,683	1,249	991	966	983	1,156
Fractures, dislocations	941	753	799	882	1,064	990	1,018	983
Burns	441	403	342	301	332	309	309	340
Traumatic Injuries and Disorders	**17,391**	**16,336**	**15,304**	**15,023**	**15,193**	**15,386**	**15,538**	**15,701**
Systemic diseases & disorders	1,634	1,030	972	1,191	1,123	1,127	1,181	1,181
Other diseases, conditions & disorders	74	55	40	53	45	41	55	70
Symptoms, signs, ill defined conditions	164	74	46	97	42	52	56	52
Infectious, parasitic diseases	33	28	20	25	17	17	41	19
Multiple diseases, conditions & disorders	14	5	29	158	71	43	1	-
Neoplasms, tumors & cancer	8	10	10	17	8	10	11	7
Occupational Illnesses	**1,927**	**1,202**	**1,117**	**1,541**	**1,306**	**1,290**	**1,345**	**1,329**
Nature of Disease Unknown or Not Coded	322	259	154	135	135	21	259	235
Total	**19,640**	**17,797**	**16,575**	**16,699**	**16,634**	**16,697**	**17,142**	**17,265**

[13] Note: This table is based on the CSA Z795 coding standard.

3.8 Time Loss Injuries by Source of Injury or Illness

Table 16 - Time Loss Injuries by Source of Injury or Illness, 2000 to 2007

Primary Source of Injury or Illness[14]	Year of Injury or Illness							
	2000	2001	2002	2003	2004	2005	2006	2007
Persons-bodily position or repetitive motion of injured or ill worker	4,794	5,576	5,577	5,143	3,878	3,819	4,329	4,230
Persons- other than injured worker (e.g. patients or co-workers)	1,196	1,125	879	1,023	1,168	1,050	1,052	1,073
Other persons, plants, animals, minerals	345	285	262	280	309	250	284	261
Persons, Plants, Animals and Minerals[15]	**6,335**	**6,986**	**6,718**	**6,446**	**5,355**	**5,119**	**5,665**	**5,564**
Structures and Surfaces	2,516	2,405	2,356	2,451	2,677	3,078	3,016	3,026
Parts and Materials	2,713	2,013	1,735	1,774	2,061	2,329	2,359	2,399
Containers	2,258	1,562	1,510	1,563	1,759	1,763	1,660	1,763
Vehicles	846	715	659	686	813	827	873	854
Hand tools- non-powered	770	717	605	612	616	657	631	641
Hand tools-powered	379	288	266	251	248	253	223	199
Other-tools and equipment	177	115	167	213	276	268	312	373
Tools, Instruments and Equipment	**1,326**	**1,120**	**1,038**	**1,076**	**1,140**	**1,178**	**1,166**	**1,213**
Machinery	1,244	901	880	1,019	1,090	839	789	843
Other Sources	894	849	759	774	894	750	754	763

[14]This table is based on the CSA Z795 coding standard.

[15] This category includes injuries sustained due to the bodily motion of the injured worker, repetitive motions and injuries caused by co-workers, customers or others such as health care patients

Furniture and Fixtures	652	535	484	542	538	544	517	516
Chemicals and Chemical Products	312	228	166	207	182	170	179	206
Source Unknown or Not Coded	**544**	**483**	**270**	**161**	**125**	**100**	**164**	**118**
Total	**19,640**	**17,797**	**16,575**	**16,699**	**16,634**	**16,697**	**17,142**	**17,265**

3.9 Time Loss Injuries by Event or Exposure of Injury or Illness

Table 17 - Time Loss Injuries by Type of Event or Exposure of Injury or Illness, 2000 to 2007

Type of Event or Exposure[16]	Year of Injury or Illness							
	2000	2001	2002	2003	2004	2005	2006	2007
Overexertion	4,955	3,325	2,883	3,403	3,860	3,813	3,722	3,803
Bodily reaction	3,863	4,867	4,858	4,157	3,369	3,120	3,024	3,088
Repetitive motions	875	651	693	952	814	1,114	1,513	1,449
Bodily Reaction and Exertion	**9,693**	**8,843**	**8,434**	**8,512**	**8,043**	**8,047**	**8,259**	**8,340**
Struck by objects	2,824	2,523	2,385	2,242	2,135	2,152	2,323	2,371
Struck against objects	1,576	1,319	1,130	1,186	1,349	1,104	984	1,064
Caught in objects	897	881	823	818	851	880	954	849
Rubbed or abraded	659	539	408	491	352	503	469	460
Contact with Objects, Equipment	**5,956**	**5,262**	**4,746**	**4,737**	**4,687**	**4,639**	**4,730**	**4,744**
Fall on same level	1,346	1,413	1,458	1,531	1,871	1,906	1,908	1,929
Fall from height	853	794	756	706	770	897	876	865
Falls	**2,199**	**2,207**	**2,214**	**2,237**	**2,641**	**2,803**	**2,784**	**2,794**
Exposure to Harmful Substances	914	778	624	646	596	599	703	694
Transportation Incidents	285	234	247	223	311	379	397	403
Assaults and Violent Acts	249	211	190	224	243	199	214	238
Fires and Explosions	19	10	18	8	15	7	21	25
Event Unknown/Missing/ Not Coded	**325**	**252**	**102**	**112**	**98**	**24**	**34**	**27**
Total	**19,640**	**17,797**	**16,575**	**16,699**	**16,634**	**16,697**	**17,142**	**17,265**

[16] Note: This table is based on the CSA Z795 coding standard.

3.10 Musculoskeletal Injuries

Table 18 - Musculoskeletal Time Loss Injuries (MSI), 2000 to 2007

	Year of Injury							
Type of Injury	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**
Musculoskeletal Injuries	10,459	9,458	9,513	9,872	10,115	10,353	10,667	10,739
Non-Musculoskeletal[17]	9,181	8,339	7,062	6,827	6,519	6,344	6,475	6,526
Total	19,640	17,797	16,575	16,699	16,634	16,697	17,142	17,265
Musculoskeletal (% of Total)	53.3%	53.1%	57.4%	59.1%	60.8%	62.0%	62.2%	62.2%

[17] Examples include fractures, open wounds, burns, occupational diseases, hearing loss

Figure 25 – The Number and Proportion of Musculoskeletal Injuries to Time Loss Injuries, 2000 to 2007